TABLE OF CONTENTS

Water-to-Air Heat Exchanger Products 2-4
Pumps and Pump Accessories 5
PEX Pipe, Fittings and Related 6
ThermoPEX, Central Therm, Manifolds and Water-to-Water Exchangers 7
Water-to-Water Exchangers 8
Connections, Solder and Flux 9
Valves, Manifolds, Strainers, Connections, Adapters 10
Thermostats, Transformers, Aquastats 11
Baseboards, Copper Connections 12
Push-fit Fittings 13
Maintenance, Replacement and Optional Products 14
Maintenance, Replacement and Optional Products - Classic and Pallet Burner 15
Maintenance, Replacement and Options Products - E-Classic 16
Chimney Components - Classic, E-Classic and Pallet Burner 17-18
Maintenance, Replacement and Optional Products - Maxim 19-20
Chimney Components - Maxim 21-22
NUMERICAL PARTS LIST 23-24
DEFINITIONS 25
SAMPLE PARTS LIST 26

NOTE

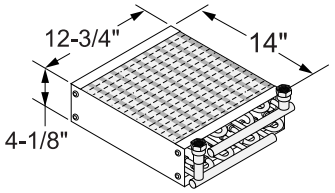
All installations must be performed by a qualified installer and in accordance with any and all federal, state/provincial and local codes and regulations. When performing work on an appliance observe all precautions in the literature, tags and labels attached to the appliance and other safety precautions that may apply. When working with electricity and electrical components, failure to follow precautions could result in property damage, personal injury or death.

ALPHABETICAL INDEX

1-1/4" Thermostatic Valve . . . 10
1-1/4" Thermostatic Valve Fittings Kit . . . 10
2-Stage Gas Regulator Kit . . . 16, 20
2-Way Zone Valve, 24-Volt . . . 11
3/4" Thermostatic Valve . . . 10
3/4" Thermostatic Valve Fittings Kit . . . 10
3/8" Cleaning Rod . . . 19
3-Way Valve . . . 9
3-Way Zone Valve, 24-Volt . . . 11
6" Chimney Band Clamp Kit . . . 17, 22
6" Chimney Cap . . . 17, 22
6" Chimney Guy-Wire Band . . . 17
8" Chimney Band Clamp Kit . . . 17
8" Chimney Base Brace Kit . . . 17
8" Chimney Guy-Wire Band Kit . . . 18
8" Spark Arrestor . . . 17
24-Volt Transformer . . . 11, 19
45˚ Street Elbow . . . 9
48-Bushel Hopper Kit . . . 19
90˚ Elbow, Copper . . . 12
90˚ Reducing Elbow, Copper . . . 12
90˚ Street Elbow . . . 9
90˚ Street Elbow, 1" Copper . . . 12
Aerator . . . 19
Air Handler Cabinet . . . 3
Ash Rake . . . 15
Ash Scoop . . . 19
Ash Shovel . . . 15, 16
Ashtrol . . . 15
Attic Radiation Shield . . . 21
Automatic Vent Valve . . . 8
Auxiliary Auger Kits for Maxim . . . 19
Auxiliary Auger Vibrator w/Timer Kit . . . 19
Backflow Preventer . . . 10
Bag Holder Kit . . . 19
Ball Valve . . . 9
Baseboard, Complete . . . 12
Baseboard Corners . . . 12
Baseboard End Cap . . . 12
Baseboard Joiner . . . 12
Black Silicone Adhesive, High Temperature . . . 14
Blower & Motor . . . 3
Brass Coupling . . . 10
Brass Fittings for 1-1/4" PEX Pipe . . . 10
Brass Hex Bushing . . . 9
Brass Hose Bib . . . 9
Brass Offset Tee, 4" . . . 9
Brass Pipe Union, FIP . . . 9
Brass Swing Check Valve . . . 10
Brass Tee, 3/4" . . . 9
Cast Iron Manifold . . . 10
Central Boiler Clamp . . . 6
Central PEX 1/2" Pipe . . . 6
Central PEX 1" Pipe . . . 6
Central PEX 1" Pipe Sections . . . 6
Central Therm Insulation . . . 7
Central Therm Sleeve . . . 7
Central Therm Sleeve Dispenser . . . 7
Chimney Attachment Ring . . . 17, 18, 22
Chimney Components . . . 17
Chimney Elbow . . . 21
Chimney Support Brace Kit . . . 18
Chimney Tee Restrictor Kit . . . 17
Cinch Tool . . . 6
Clamp Crimp Ring Removal Tool . . . 6
Classic Stainless Steel Chimney Sections . . . 17
Cleaning Brush . . . 9
Cleaning Rod . . . 16
Connector, Straight . . . 13
Copper Coupling . . . 12
Copper End Cap . . . 12
Corner Fan Convector (7k Btu) . . . 3
Corrosion Inhibitor Plus . . . 14
Coupling, Reducing . . . 13
Coupling, Straight . . . 13
Decoiler . . . 14
Depth Gauge/Deburring Tool . . . 13
Digital Pocket Multimeter . . . 20
Disconnect Clip . . . 13
Diverter Tee . . . 9
Door Lock Kit . . . 15
Draft Inducer . . . 15
Drain Coupling, Copper . . . 12
E-Classic 1450 Stainless Steel Chimney Sections . . . 17
E-Classic Stainless Steel Chimney Section . . . 17
Elbow . . . 13
Fan Center Relay . . . 14
Fan Convector (26k Btu) . . . 3
Female Adapter . . . 6
Female Adapter, 3/4" Hose . . . 10
Female Adapter, Copper . . . 12
Fin Comb . . . 14
Firestop . . . 21
Fittings Kit, Threaded . . . 8
Flashing, Adjustable Roof . . . 22
Flashing, Flat Roof . . . 21
Floor Fan Convector . . . 4
Flow Check Valve . . . 8
Flue Brush & Handle . . . 16, 20
Fuse & Socket . . . 14
Gas Burner Kits . . . 16
Gas Hose w/Regulator . . . 20
Grounding Rod Kit . . . 14
Guy-Wire Band . . . 22
Heat Exchanger Coil (50k Btu) . . . 2
Heat Exchanger Coil (80k Btu) . . . 2
Heat Exchanger Coil (95k Btu) . . . 2
Heat Exchanger Coil (100k Btu) . . . 2
Heat Exchanger Coil (125k Btu) . . . 2
Heat Exchanger Coil (140k Btu) . . . 2
Heat Exchanger Coil (185k Btu) . . . 2
Heat Exchanger Coil (220k Btu) . . . 2
Heat Exchanger Mounting Kit . . . 8
Heat Exchanger Scraper . . . 16
HeatTrac Controller Update Kits . . . 15
Hex Bushing . . . 9
High Pressure Gas Hose Adapter . . . 20
Hoe . . . 15
Hopper Extension Kit . . . 19
Hopper Vibrator Kit . . . 19
Hot Filter & Cartridge . . . 10
Indoor Water Temperature Indicator Kit . . . 14
Insulation . . . 19
Isolation Flange Kit . . . 5
Isolation Flange with Drain Valve, 3/4" . . . 5
Kickspace Fan Convector . . . 4
LED Replacement Bulb/Plug . . . 16
Line Voltage Thermostat . . . 11
Linkage . . . 15
Louvers . . . 3
Male Adapter, 3/4" Hose . . . 10
Male Adapter, Copper . . . 12
Manifold . . . 10
Manifold w/o Valves . . . 7
Manifold w/Valves . . . 7
Maxim Chimney Lengths . . . 21
Maxim Stainless Steel Chimney Sections . . . 21
Monoflo Copper Tee . . . 9
Multi-stage 24-Volt Thermostat . . . 11
Natural Gas Conversion Kit . . . 16
Nipple . . . 9
O-Ring Set . . . 5
Panel Radiators . . . 8
PEX 1-1/4" Pipe . . . 10
PEX 90˚ Elbow . . . 6
PEX Adapter . . . 6
PEX Brass Clamp Fittings . . . 6
PEX Coupling . . . 6
PEX Crimp Rings / Crimp Tools . . . 6
PEX Hanger . . . 7
PEX Pipe Cutter . . . 6
PEX Stainless Steel Clamp Crimp Ring . . . 6
PEX Tee . . . 6
Pipe Plug . . . 9
Plate Heat Exchanger . . . 7
Plate Mounting Bracket . . . 7
Plug-in Thermostat . . . 11
Pool Aquastat . . . 11
Power Supply Cord . . . 5
Programmable 24-Volt Thermostat . . . 11
Propane Shut-off with Level Indicator . . . 20
Pulse Timer Kit . . . 16
Pump Flange Kits . . . 5
Purging and Filling Tee . . . 10
Push-fit Fittings . . . 13
Push-fit Fittings Water Heater Kit . . . 13
Radiation Shield . . . 21
Ratchet Cinch Tool . . . 6
Reducer, Copper . . . 12
Reducing Tee, Copper . . . 12
Relay . . . 20
Round Pipe Caps . . . 19
Sight Gauge Components . . . 15
Single-stage, Non-programmable 24-Volt Thermostat . . . 11
Sludge Conditioner . . . 14
Solder & Soldering Flux . . . 9
Solenoid . . . 15
Space Heater (100k Btu) . . . 3
Space Heater (140k Btu) . . . 3
Space Heater Cabinet (50k Btu) . . . 3
Spacer Bar Kit . . . 16
Suspended Space Heater (100k Btu) . . . 2
Suspended Space Heater (220k Btu) . . . 2
Sweat Ball Valve . . . 12
Taco Pump Replacement Cartridges . . . 5
Taco Pumps - 006 Series . . . 5
Taco Pumps - 007 Series . . . 5
Taco Pumps - 009 & 014 Series . . . 5
Tee . . . 9, 13
Tee, Copper . . . 12
Temperature Gauge Fitting . . . 13
Temperature Gauges . . . 14
Tempering Valve . . . 11
ThermoPEX . . . 7
ThermoPEX Coupling Kit . . . 7
ThermoPEX Termination Cap . . . 7
Thermostatic Mixing Valve . . . 11
Thermostatic Radiator Valves . . . 8
Tile Tape . . . 14
Universal Heat Exchanger Mounting Kit . . . 8
Universal Offset/Wall Support . . . 21
Universal Pump Wall Mount Kit . . . 5
Universal Roof Brace . . . 22
Universal Roof Support . . . 21
Vent Cap - Classic Models . . . 15
Vent Elbow, Copper . . . 12
Wall Mount Fan Convector . . . 4
Wall Mount Fan Convector (7k Btu) . . . 3
Wall Radiation Shield . . . 21
Water Softener Cartridge . . . 14
Water Test Kit . . . 14
Water-to-Water Heat Exchanger, Double Wall . . . 8
Water-to-Water Heat Exchanger & Fittings Kit . . . 8
Water-to-Water Heat Exchanger, Shell & Tube . . . 8
Wonder Bar . . . 16
Y-Strainer . . . 10

WATER-TO-AIR HEAT EXCHANGER PRODUCTS

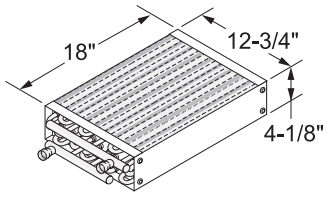
Heat Exchanger Coil (50k Btu)



Water-to-air heat exchanger coil with 90˚ 3/4" female pipe thread (FPT) outlets. Dimensions: 12-3/4" x 14" x 4-1/8".

p/n	Description
287	Heat Exchanger Coil, 50k Btu

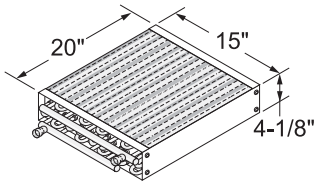
Heat Exchanger Coil (80k Btu)



Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 13" x 18". Dimensions: 12-3/4" x 18" x 4-1/8".

p/n	Description
109	Heat Exchanger Coil, 80k Btu

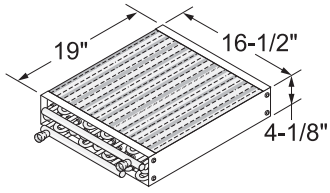
Heat Exchanger Coil (95k Btu)



Water-to-air heat exchanger coils with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 15" x 18". Dimensions: 15" x 20" x 4-1/8".

p/n	Description
102	Heat Exchanger Coil, 95k Btu

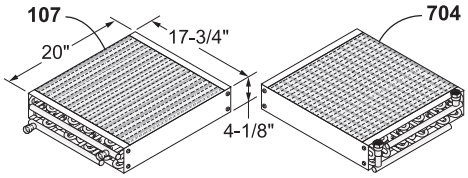
Heat Exchanger Coil (100k Btu)



Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 17" x 18". Dimensions: 16-1/2" x 19" x 4-1/8".

p/n	Description
106	Heat Exchanger Coil, 100k Btu

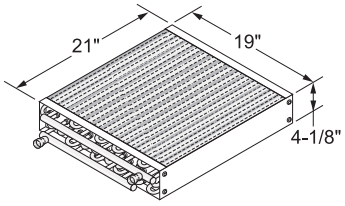
Heat Exchanger Coil (125k Btu)



Water-to-air heat exchanger coil with straight (p/n 107) or 90-degree (p/n 704) 3/4" FPT outlets. Used in forced-air furnaces with plenum size from approximately 18" x 18" to 18" x 20". Dimensions: 17-3/4" x 20" x 4-1/8".

p/n	Description
107	Heat Exchanger Coil, 125k Btu, straight outlets
704	Heat Exchanger Coil, 125k Btu, 90˚ outlets

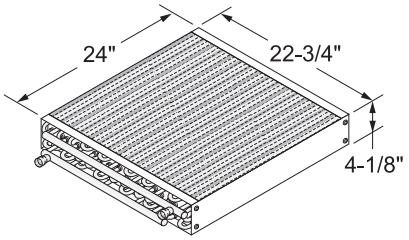
Heat Exchanger Coil (140k Btu)



Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 20" x 20". Dimensions: 19" x 21" x 4-1/8".

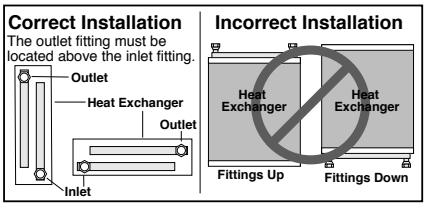
p/n	Description
108	Heat Exchanger Coil, 140k Btu

Heat Exchanger Coil (185k Btu)

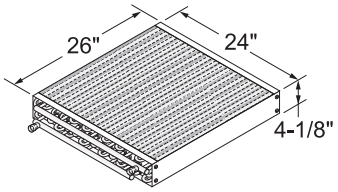


Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 23" x 23". Dimensions: 22-3/4" x 24" x 4-1/8".

p/n	Description
110	Heat Exchanger Coil, 185k Btu



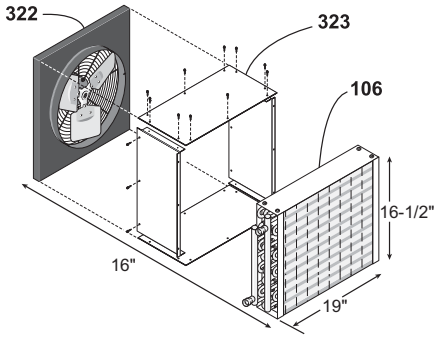
Heat Exchanger Coil (220k Btu)



Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 24" x 24". Dimensions: 24" x 26" x 4-1/8".

p/n	Description
111	Heat Exchanger Coil, 220k Btu

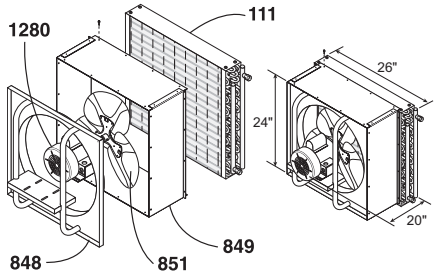
Suspended Space Heater (100k Btu)



Order the following components for a complete Suspended Space Heater (100k Btu). Some assembly required. Assembled size approximately 19" x 16-1/2" x 16". Allow at least 6" on side for fittings.

p/n	Description
322	Fan
323	Transition
106	Heat Exchanger Coil, 100k Btu

Suspended Space Heater (220k Btu)



Order the following components for a complete Suspended Space Heater (220k Btu). Some assembly required. Assembled size approximately 26" x 24" 20". Allow at least 6" on side for fittings.

p/n	Description
111	Heat Exchanger Coil, 220k Btu
849	Transition
848	Motor Frame
851	Fan Blades
1280	Fan Motor

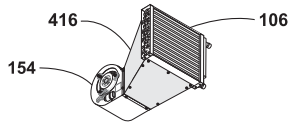
WATER-TO-AIR HEAT EXCHANGER PRODUCTS

Louvers

Bolt on to the face of the heat exchanger to direct heat downward.

p/n	Description
355	Louvers, fit Heat Exchanger Coil (p/n 106)
354	Louvers, fit Heat Exchanger Coil (p/n 108)
353	Louvers, fit Heat Exchanger Coil (p/n 111)

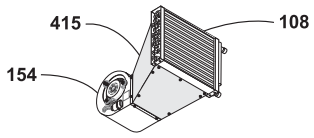
Space Heater (100k Btu)



Order the following components for a Space Heater (100k Btu). Some assembly required. Assembled size approximately 19" x 21" x 33".

p/n	Description
416	Transition
154	Blower & Motor, 1/4-hp 3-speed fan
106	Heat Exchanger Coil, 100k Btu

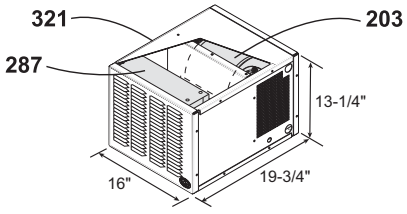
Space Heater (140k Btu)



Order the following components for a Space Heater (140k Btu). Some assembly required. Assembled size approximately 19" x 21" x 33".

p/n	Description
415	Transition
154	Blower & Motor, 1/4-hp 3-speed fan
108	Heat Exchanger Coil, 140k Btu

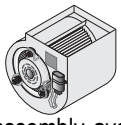
Space Heater Cabinet (50k Btu)



Cabinet for housing 1/15-hp Blower & Motor (p/n 203) and 50k Btu Heat Exchanger Coil (p/n 287). Each sold separately. Some assembly required. Dimensions: 16" x 19-3/4" x 13-1/4".

p/n	Description
321	Space Heater Cabinet

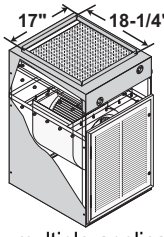
Blower & Motor



Blower & Motor assembly available in different sizes.

p/n	Description
203	Blower & Motor, 1/15-hp
154	Blower & Motor, 1/4-hp, 3-speed fan
208	Blower & Motor, 1-hp

Air Handler Cabinet

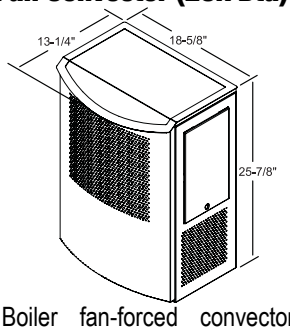


Two sizes allow multiple applications from 100k Btu to 220k Btu; cabinets are standard with front water access (refer to the chart below for specific applications). NOTE: Blower & Motor and Heat Exchanger Coil are sold separately. Air Handler Cabinet door is capable of holding a filter (not included). Some assembly will be required. If utilizing an existing 24-volt thermostat to control blower, a Fan Center Relay (p/n 515) must be used.

p/n	Dimensions (in.)	Heat Exch. Coil Range	Blower & Motor	Water Access
301	36 x 20 x 23 Filter (not included): 16 x 20	100k-140k Btu	1/4-hp	Front
303	39 x 25 x 28 Filter (not included): 20 x 20	185k-220k Btu	1-hp	Front

p/n	Description
301	Air Handler Cabinet, 100k-140k Btu, front access
3822	Kit for 301 - back water access
303	Air Handler Cabinet, 185k-220k Btu, front access
3825	Kit for 303 - back water access

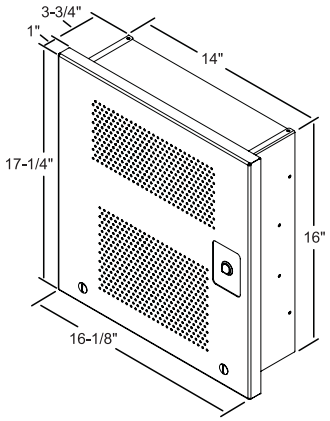
Fan Convector (26k Btu)



Central Boiler fan-forced convector. Quiet operation, integral filters and thermostat connections. 3/4" FPT fittings and on-off-thermostat switch. Output up to 26,000 Btu/hr. Color - taupe. 24-Volt Thermostat (p/n 588 or 731) is optional.

p/n	Description
1971	Fan Convector, 26k Btu
588	Programmable 24-Volt Thermostat
731	Non-programmable 24-Volt Thermostat
956	Elbow, 90-degree, 3/4" x 3/4" FPT (optional)

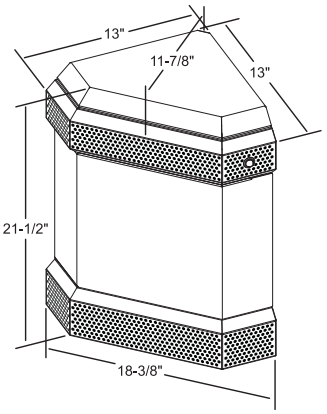
Wall Mount Fan Convector (7k Btu)



Central Boiler recessed wall, fan-forced convector. Quiet operation, integral filters and thermostat connections. Can use Female Adapter (p/n 6679) or Push-fit Fitting (p/n 606) for connection. 1/2" fittings and on-off-thermostat switch. Output up to 7,000 Btu/hr. 24-Volt Thermostat (p/n 588 or 731) is optional.

p/n	Description
1941	Fan Convector, Wall Mount, 7k Btu
588	Programmable 24-Volt Thermostat
731	Non-programmable 24-Volt Thermostat

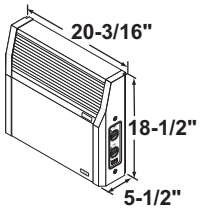
Corner Fan Convector (7k Btu)



Central Boiler fan-forced convector. Quiet operation, integral filters and thermostat connections. Can use Female Adapter (p/n 6679) or Push-fit Fitting (p/n 606) for connection. 1/2" fittings and on-off-thermostat switch. Output up to 7,000 Btu/hr. 24-Volt Thermostat (p/n 588 or 731) is optional.

p/n	Description
1910	Fan Convector, Corner, 7k Btu
588	Programmable 24-Volt Thermostat
731	Non-programmable 24-Volt Thermostat

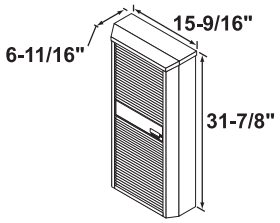
Wall Mount Fan Convector



Myson Lo-Line™ RC 6-4 wall mount, fan-forced convector with thermostat, output of 4,213-6,531 Btu/hr. Dimensions: 20-3/16" x 18-1/2" x 5-1/2". Weight: 16 lbs. Fan speed (cfm): boost - 72, medium - 51, normal - 58.

p/n	Description
6776	Myson Lo-Line RC 6-4 Fan Convector

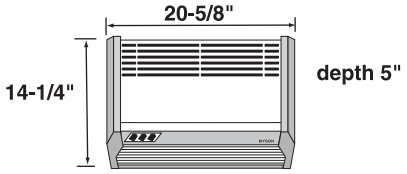
Wall Mount Fan Convector



Myson Slim-Line™ RC wall mount, fan-forced convector with remote control, output of 11,882-15,293 Btu/hr. Dimensions: 15-9/16" x 31-7/8" x 6-11/16". Weight: 37 lbs. Fan speed (cfm): boost - 136, medium - 127, normal - 96.

p/n	Description
6778	Myson Slim-Line RC Fan Convector

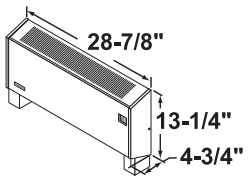
Wall Mount Fan Convector



Myson Hi-Line™ HL 7-4 wall mount, fan-forced convector, output of 4,377-7,851 Btu/hr. Dimensions: 20-5/8" x 14-1/4" x 5". Weight: 22 lbs. Fan speed (cfm): boost - 78, medium - 62, normal - 48.

p/n	Description
6777	Myson Hi-Line HL 7-4 Fan Convector

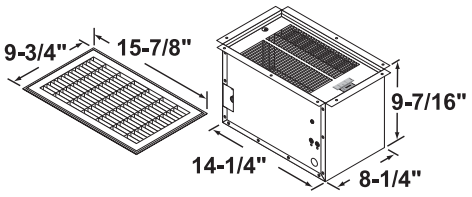
Wall Mount Fan Convector



Myson CSU™ 15M wall mount, fan-forced convector. Output of 7,315-10,330 Btu/hr. Dimensions: 28-7/8" x 13-1/4" x 4-3/4". Weight: 22 lbs. Fan speed (cfm): boost - 91, normal - 66.

p/n	Description
6779	Myson CSU 15M Fan Convector

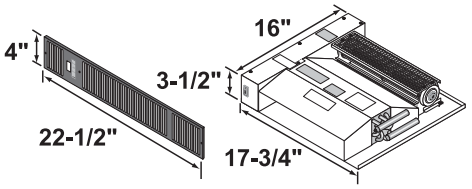
Floor Fan Convector



Myson Whispa™ III recessed floor, fan-forced convector, output of 4,078-5,443 Btu/hr. Dimensions: 14-1/4" x 8-1/4" x 9-7/16". Weight: 12 lbs. Fan speed (cfm): boost - 81, normal - 62. Cover is 9-3/4" x 15-7/8".

p/n	Description
6839	Myson Whispa III Fan Convector

Kickspace Fan Convector

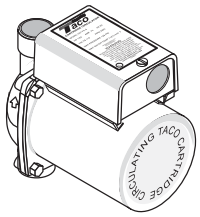


Myson Whispa™ III Kickspace 9000 fan-forced convector, output of 7,634-9,949 Btu/hr. Dimensions: 17-3/4" x 16" x 3-1/2". Weight: 12 lbs. Fan speed (cfm): boost - 124, normal - 82. Cover grill is 4" x 22-1/2".

p/n	Description
6773	Myson Whispa II Kickspace 9000 Fan Convector

PUMPS AND PUMP ACCESSORIES

Taco Pumps - 006 Series

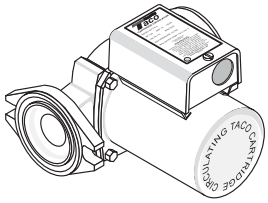


Taco 006 Bronze Circulation Pump for domestic water systems. No flange required, 3/4" sweat connection. Power Supply Cord (p/n 556) sold separately.

size	hp	Amp	Watt	Head (ft)	Volume (gal/min)
006	1/40	0.52	59.8	9	10

p/n	Description
175	Taco 006 Pump

Taco Pumps - 007 Series

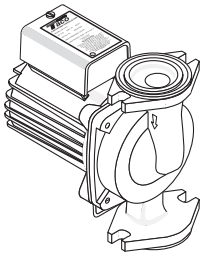


Taco 007 Circulation Pump requires flange kit (not included). Includes O-rings. Power Supply Cord (p/n 556) sold separately.

size	hp	Amp	Watt	Head (ft)	Volume (gal/min)
007	1/25	0.70	80.50	11	20
007 Priority	1/25	0.70	81.65	11	20

p/n	Description
171	Taco 007 Pump
413	Taco 007 Priority Pump

Taco Pumps - 009 & 014 Series



Taco 009 and Taco 014 Circulation Pumps both require flange kit (not included). Includes O-rings. Power Supply Cord (p/n 556) sold separately.

size	hp	Amp	Watt	Head (ft)	Volume (gal/min)
009	1/8	1.40	161	34	8
014	1/8	1.55	178	22	32

p/n	Description
173	Taco 009 Pump
176	Taco 014 Pump

Power Supply Cord

May be used to wire pumps when installed on furnaces. Includes strain relief.

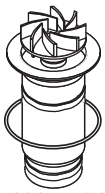
p/n	Description
556	Power Supply Cord, 32"

O-Ring Set

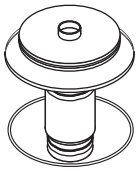
Set of two replacement O-rings for pump flange.

p/n	Description
542	O-Ring Set

Taco Pump Replacement Cartridges



For 006 and 007 Pumps

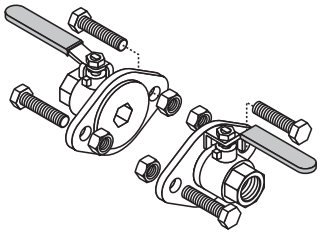


For 009 & 011 Pumps

Replacement cartridges for Taco 006, 007, 009, 011 and 014 series pumps. Each includes a 3-year warranty.

p/n	Application
222	Replacement Cartridge, 006 Series Pumps
170	Replacement Cartridge, 007 Series Pumps
172	Replacement Cartridge, 009 Series Pumps
219	Replacement Cartridge, 011 Series Pumps
179	Replacement Cartridge, 014 Series Pumps

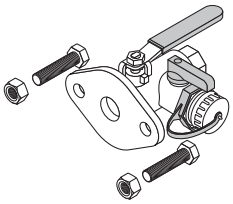
Isolation Flange Kit



Kit includes flanges, nuts and bolts. Full port, valved flange body.

p/n	Description
224	"Free Floating" Flange Kit, 3/4"
225	Isolation Flange Kit, 1-1/4"

Isolation Flange with Drain Valve, 3/4"

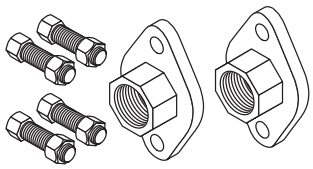


Includes flange, nuts and bolts.

p/n	Description
226	Isolation Flange with Drain Valve, 3/4"

NOTE: Price is for one flange only.

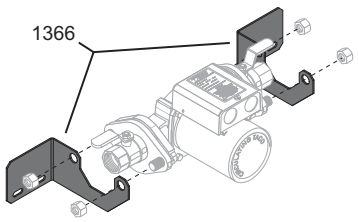
Pump Flange Kits



Each kit includes set of two female iron pipe (FIP) pump flanges. One set is used with each pump. Most installations use Pump Flange Kit, 3/4" (p/n 119).

p/n	Description
119	Pump Flange Kit, 3/4"
194	Pump Flange Kit, 1"
1272	Pump Flange Kit, 1-1/4"

Universal Pump Wall Mount Kit

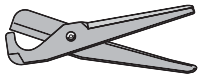


Brackets for supporting and securing pump and flanges to a wall. Figure shows one possible installation scenario. Pump, flanges and mounting hardware are not included.

p/n	Description
1366	Universal Pump Wall Mount Kit

PEX PIPE, FITTINGS AND RELATED

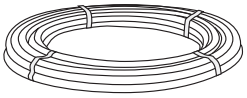
PEX Pipe Cutter



Used to cut PEX pipe up to 1-1/4" in diameter.

p/n	Description
195	PEX Pipe Cutter

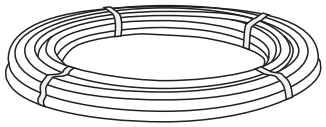
Central PEX 1/2" Pipe



High-density, oxygen barrier, cross-link pipe. Rated for temperatures to 180˚F at 100 psi. Available in rolls up to 1000 ft long. Excellent for radiant floor heating applications.

p/n	Description
1320	Central PEX 1/2" Pipe, 300'
1321	Central PEX 1/2" Pipe, 500'
1322	Central PEX 1/2" Pipe, 1000'

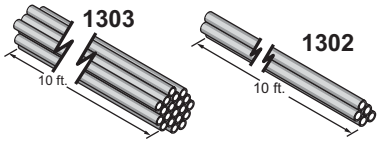
Central PEX 1" Pipe



High-density, cross-link pipe, rated for temperatures to 180˚F at 100 psi.

p/n	Description
1311	Central PEX 1" Pipe, 100'
1312	Central PEX 1" Pipe, 200'
1313	Central PEX 1" Pipe, 300'
1314	Central PEX 1" Pipe, 500'

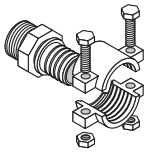
Central PEX 1" Pipe Sections



Central PEX 1" Pipe in 10-ft sections.

p/n	Description
1302	Central PEX 1" Pipe, 10' straight section, 5 per bag
1303	Central PEX 1" Pipe, 10' straight section, 20 per bag

PEX Brass Clamp Fittings



Brass adapter clamps for PEX pipe.

p/n	Description
5642	Brass Clamp Fittings, 1"
5643	Brass Clamp Fittings, 1-1/4"

PEX Adapter

For adapting threaded pipe to Central PEX pipe.

p/n	Description
1341	PEX Adapter, 1/2" PEX x 1/2" MIP fittings
1336	PEX Adapter, 1/2" PEX x 3/4" MIP fittings
1330	PEX Adapter, 1" PEX x 3/4" MIP fittings
1324	PEX Adapter, 1" PEX x 1" MIP fittings

PEX Adapter

For adapting copper pipe to Central PEX pipe.

p/n	Description
1337	PEX Adapter, 1/2" PEX x 1/2" sweat fittings
1331	PEX Adapter, 1" PEX x 1" sweat fittings
1348	PEX Adapter, 1/2" PEX x 1/2" FIP fittings

Female Adapter

Adapts 1/2" copper pipe to 1/2" Central PEX pipe. Sweat end fits over copper pipe.

p/n	Description
6679	Female Adapter, 1/2" barb x 1/2" sweat fittings

PEX Coupling

For coupling two Central PEX pipe ends.

p/n	Description
1339	PEX Coupling, 1/2"
1333	PEX Coupling, 1"

PEX 90˚ Elbow

Brass 90˚ elbow for coupling two Central PEX pipe ends together.

p/n	Description
1340	PEX 90˚ Elbow, 1/2"
1334	PEX 90˚ Elbow, 1"

PEX Tee

Brass tee for joining Central PEX pipe ends.

p/n	Description
1338	PEX Tee, 1/2"
1332	PEX Tee, 1"

Central Boiler Clamp

1" or 1-1/4" stainless steel hose clamp.

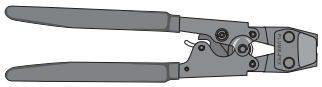
p/n	Description
5978	Central Boiler Clamp, 1"
1745	Central Boiler Clamp, 1-1/4"

PEX Crimp Rings / Crimp Tools

PEX Crimp Ring for PEX pipe. Crimp Tool (p/n 324) required for 1/2" crimp ring. Crimp Tool (p/n 145) required for 1" crimp ring.

p/n	Description
1342	PEX Crimp Ring, 1/2"
1335	PEX Crimp Ring, 1"
324	Crimp Ring Tool, 1/2"
145	Crimp Ring Tool, 1"

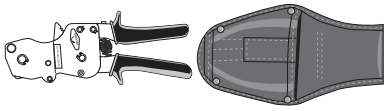
Cinch Tool



Tool for cinching 1" and 1/2" PEX Stainless Steel Clamp Crimp Rings to PEX pipe. Not for use with any other application.

p/n	Description
5925	Cinch Tool

Ratchet Cinch Tool



Compact, easy-to-use Ratchet Cinch Tool comes with handy carrying case and calibrating device. For use with 5927 and 5926 crimp rings.

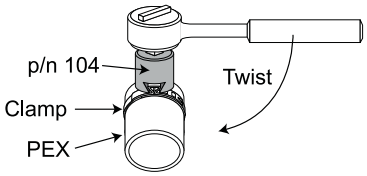
p/n	Description
4472	Ratchet Cinch Tool

PEX Stainless Steel Clamp Crimp Ring

For use with Central PEX pipe. Install with Cinch Tool (p/n 5925) or Ratchet Cinch Tool (p/n 4472).

p/n	Description
5927	PEX Stainless Steel Clamp Crimp Ring, 1/2"
5926	PEX Stainless Steel Clamp Crimp Ring, 1"

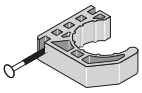
Clamp Crimp Ring Removal Tool



Used to remove PEX stainless steel clamp crimp rings (p/n 5927 and 5926).

p/n	Description
104	Clamp Crimp Ring Removal Tool

PEX Hanger



Half-moon, nail-in PEX Hanger for securing PEX piping. Available in two sizes.

p/n	Description
293	PEX Hanger, 1/2"
295	PEX Hanger, 1"

ThermoPEX

ThermoPEX is flexible pre-insulated piping consisting of two waterproof oxygen barrier PEX lines (supply and return) protected by polyurethane closed cell foam insulation and a thick, durable, waterproof polyethylene outer jacket. It is the ideal insulated piping for use with outdoor wood furnaces. Available with 1" Central PEX in 100-ft or 800-ft rolls, or with 1-1/4" PEX in 100-ft or 300-ft rolls.

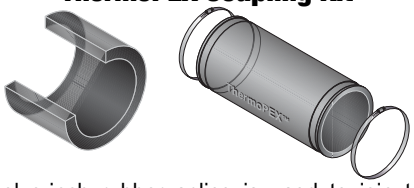
p/n	Description
2441	ThermoPEX, 1", 100' Roll
2491	ThermoPEX, 1", 800' Roll
2799	ThermoPEX, 1-1/4", 100' Roll
2492	ThermoPEX, 1-1/4", 300' Roll

ThermoPEX Termination Cap

Fits snuggly over each end to protect and seal the insulation from water.

p/n	Description
2443	ThermoPEX Cap, 1"
2494	ThermoPEX Cap, 1-1/4"

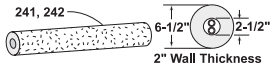
ThermoPEX Coupling Kit



Twelve-inch rubber splice is used to join two ends of ThermoPEX together. Fittings and crimp rings for joining the PEX lines are sold separately.

p/n	Description
2447	ThermoPEX Coupling Kit, 1"
2495	ThermoPEX Coupling Kit, 1-1/4"
1333	PEX Coupling, 1"
381	Brass Coupling, 1-1/4" barb x 1-1/4" barb

Central Therm Insulation



Closed-cell, green polyethylene Central Therm Insulation for insulating water lines. Available in either 8-ft or 4-ft lengths.

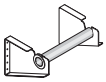
p/n	Description
241	Central Therm Insulation, 8'
242	Central Therm Insulation, 4'

Central Therm Sleeve

Central Therm Sleeve slips over Central Therm Insulation to keep insulation dry and increase heat transfer efficiency, especially in the spring when ground water is high. Available in lengths from 100 to 800 feet.

p/n	Description
524	Central Therm Sleeve, 100'
525	Central Therm Sleeve, 200'
526	Central Therm Sleeve, 300'
527	Central Therm Sleeve, 500'
672	Central Therm Sleeve, 800'

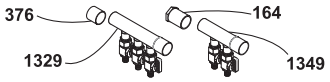
Central Therm Sleeve Dispenser



Handy dispenser holds all roll lengths of Central Therm Sleeve.

p/n	Description
506	Central Therm Sleeve Dispenser

Manifold w/Valves



For use with 1/2" PEX pipe in radiant floor installations, the Manifold w/Valves is available in a 2- or 3-loop configuration. Manifold fittings are 1" copper sweat; valve fitttings are 1/2" barbed.

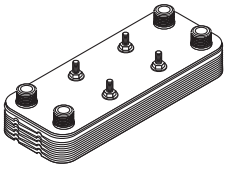
p/n	Description
1349	Manifold w/Valves, 2-Loop
1329	Manifold w/Valves, 3-Loop
376	Copper Cap, 1"

Manifold w/o Valves

For use with 1/2" PEX pipe in radiant floor installations, the Manifold w/o Valves is available in a 2- or 3-loop configuration. Manifold fittings are 1" copper sweat; valve fitttings are 1/2" barbed. Does not include valves or caps.

p/n	Description
1880	Manifold w/o Valves, 2-Loop
1885	Manifold w/o Valves, 3-Loop

Plate Heat Exchanger



The Plate Heat Exchanger is a compact, high-performance, water-to-water, continuous flow heat exchanger with MPT ports. Units are 316L stainless, copper-brazed. MPN units include mounting studs and are marine-grade stainless, nickel-brazed (for use with pools and hot tubs).

p/n	Typical Application
5734	Water heaters
5744	Boilers up to 100k Btu
5636	Boilers 100k-175k Btu
5637	Boilers 175k-250k Btu
5635	Large commercial

p/n	Description
5734	Plate Exchanger, 5 x 12-6, 3/4" Port
5744	Plate Exchanger, 5 x 12-30, 1" Port
5636	Plate Exchanger, 5 x 12-50, 1-1/4" Port
5637	Plate Exchanger, 5 x 12-70, 1-1/4" Port
5634	Plate Exchanger, 10 x 20-40, 1-1/2" Port
5635	Plate Exchanger, 10 x 20-50, 2" Port

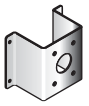
MPN Units*

p/n	Approximate Btu	Typical Application
5738	80-120k	Hot tubs & pools up to 12,000 gallons
5842	150-200k	Pools up to approx. 30,000 gallons
128	250-320k	Pools up to approx. 50,000 gallons
129	280-360k	Pools up to approx. 60,000 gallons

p/n	Description
5738	Plate Exchanger, MPN 5 x 12-10, 1" Port
5842	Plate Exchanger, MPN 5 x 12-24, 1-1/4" Port
128	Plate Exchanger, MPN 5 x 12-40, 1-1/4" Port
129	Plate Exchanger, MPN 5 x 12-50, 1-1/4" Port

*MPN units are not recommended for use with salt chlorinated pools or hot tubs.

Plate Mounting Bracket



Used to mount most 5" x 12" Plate Heat Exchangers (30 or less) with mounting studs to a wall or similar surface.

p/n	Description
5807	Plate Mounting Bracket

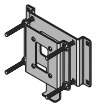
WATER-TO-WATER EXCHANGERS

Heat Exchanger Mounting Kit

Used to mount most 5x12 Plate Heat Exchangers (40 or more) with mounting studs to a wall or similar surface. Includes two mounting brackets.

p/n	Description
9597	Heat Exchanger Mounting Kit

Universal Heat Exchanger Mounting Kit



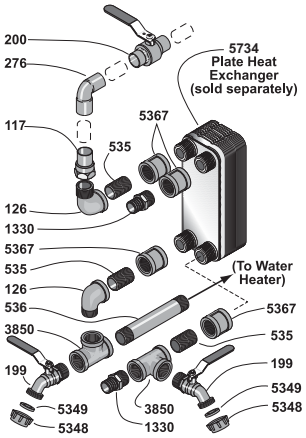
p/n	Description
1097	Universal Heat Exchanger Mounting Kit

Flow Check Valve

Used in hydronic heating to prevent ghost flow when the components are above the manifold. Can be installed horizontally or vertically.

p/n	Description
201	Flow Check Valve, 1" threaded

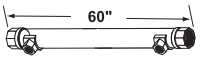
Fittings Kit, Threaded



For domestic water heaters using Plate Heat Exchanger (p/n 5734).

p/n	Description
5640	Fittings Kit, threaded ports

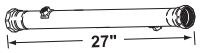
Water-to-Water Heat Exchanger, Shell & Tube



A water-to-water, continuous-flow heat exchanger used mainly for boiler applications. Side ports are 3/4" FIP; end ports are 1-1/2" FIP.

p/n	Description
151	Water-to-Water Heat Exchanger, Shell & Tube, 60"

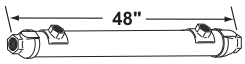
Water-to-Water Heat Exchanger, Shell & Tube



A water-to-water, continuous-flow heat exchanger for commercial water heater applications. Side ports are 3/4" FIP; end ports are 1-1/2" FIP.

p/n	Description
148	Water-to-Water Heat Exchanger, Shell & Tube, 27"

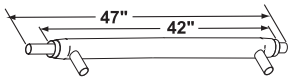
Water-to-Water Heat Exchanger, Shell & Tube



A water-to-water, continuous-flow heat exchanger used mainly for boiler applications. Side ports are 1" FIP; end ports are 1-1/2" FIP.

p/n	Description
177	Heat Exchanger, Water-to-Water, Shell & Tube, 48"

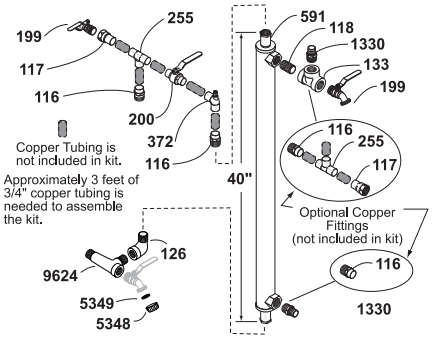
Water-to-Water Heat Exchanger, Double Wall



The Water-to-Water, Double Wall Heat Exchanger is a water-to-water, domestic water heat exchanger with 3/4" copper sweat ports. Install on existing water heater for thermal circulating heat transfer.

p/n	Description
318	Heat Exchanger, Water-to-Water, Double Wall, 42"

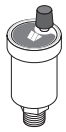
Water-to-Water Heat Exchanger & Fittings Kit



Install on existing domestic water heater for thermal circulating heat transfer. Side ports and end ports are 3/4" FIP. Fittings Kit is sold separately.

p/n	Description
591	Water-to-Water Heat Exchanger, 40"
2053	Fittings Kit

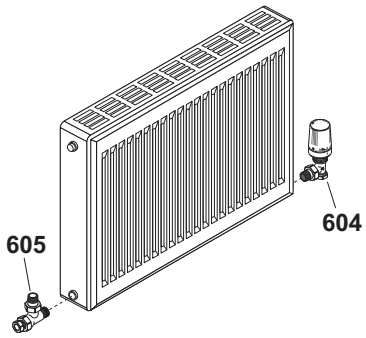
Automatic Vent Valve



Vents air automatically. For use in pressurized systems only. Fitting is 1/8" NPT.

p/n	Description
286	Automatic Vent Valve

Panel Radiators



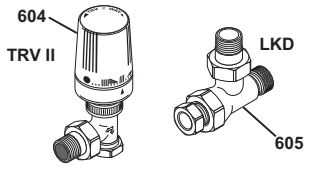
Type 21G Double Panel Single Convector and Type 22G Double Convector panel radiators in various sizes and Btu output. Valves (p/n 604, 605 are sold separately).

p/n	Baseboard Equivalent	Output (Btu/hr)	Fan Convector Equivalent
600	6 feet	3,100	N/A
601	10 feet	5,000	6777, 6774, 6839
602	14 feet	7,200	6776, 6780
603	18 feet	10,000	6779, 6773

- No electricity required, no thermostats, no extra pumps
- Easy installation - includes mounting bracket and thread sealer

p/n	Description
600	Panel Radiator, 32" x 16"
601	Panel Radiator, 35-1/2" x 24"
602	Panel Radiator, 51-1/2" x 24"
603	Panel Radiator, 55-1/4" x 24"

Thermostatic Radiator Valves



Each valve body is threaded for nominal iron pipe threads and also comes with a compression nut and ferrule.

p/n	Description
604	TRV II Valve Body and Head, 1/2" Vertical
605	LKD Valve Body with No Cap, 1/2" Preset Flow Rate

CONNECTIONS, SOLDER AND FLUX

Solder & Soldering Flux

Low melting-point solder for easier soldering. Soldering flux includes brush. Use for easier soldering of copper sweat fittings.

p/n	Description
1325	Solder
100	Soldering Flux (6 oz)

Cleaning Brush

For cleaning the inside of copper fittings.

p/n	Description
378	Cleaning Brush, 3/4"
379	Cleaning Brush, 1"

Hex Bushing

Hex bushing with national pipe threads (NPT).

p/n	Description
388	Hex Bushing, 1-1/4" x 3/4"
105	Hex Bushing, 1-1/2" x 3/4"
412	Hex Bushing, 1-1/4" x 1/2"
325	Hex Bushing, 3/4" x 1/2"
180	Hex Bushing, 3/4" x 1/8"
408	Hex Bushing, 1-1/2" x 1-1/4"

Brass Hex Bushing

Brass NPT reducing bushing.

p/n	Description
385	Brass Hex Bushing, 1-1/2" x 3/4"
3851	Brass Hex Bushing, 1-1/4" x 3/4"
3042	Brass Hex Bushing, 1/2" x 1/8"

Brass Pipe Union, FIP

Suggested for use with plate-style heat exchanger installations.

p/n	Description
5907	Brass Pipe Union, 3/4"
5908	Brass Pipe Union, 1"
5909	Brass Pipe Union, 1-1/4"

Pipe Plug

Pipe Plug, MPT, black, unless noted.

p/n	Description
331	Pipe Plug, 3/4"
574	Pipe Plug, Brass 3/4"
336	Pipe Plug, 1-1/2"
383	Pipe Plug, 1-1/4"
6557	Pipe Plug, Brass 1/2"

Nipple

Extra-heavy male pipe thread (MPT) nipples. Nipple (p/n 118) is used with pumps and ball valves. Brass nipples must be used on stainless steel furnaces.

p/n	Description
118	Nipple, 3/4" x close
409	Nipple, 1-1/4" x close
314	Nipple, 1-1/2" x close
533	Nipple, 3/4" x 2"
534	Nipple, 3/4" x 7"
535	Nipple, Brass, 3/4" x 2"
536	Nipple, Brass, 3/4" x 7"
11157	Nipple, Schedule 80, Black, 1-1/4" x 3"
5000015	Nipple, Schedule 80, Black, 1-1/4" x 2-1/2"

Brass Hose Bib

Brass hose bib, 3/4" MPT. Use brass cap (p/n 5348) with washer (p/n 5349) to cover end.

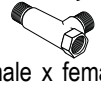
p/n	Description
199	Brass Hose Bib, 3/4" MPT
5349	Washer, 3/4"
5348	Cap, Brass, 3/4"

Tee

Black Tee (p/n 133) can be used for vent option near pump. Brass Tee (p/n 3850) can be used in domestic water situations. Black Tee (p/n 418) can be used to install 1-1/4" thermostatic valve.

p/n	Description
133	Tee, Black, 3/4" NPT
3850	Tee, Brass, 3/4" NPT
418	Tee, Black, 1-1/4" NPT

Brass Tee, 3/4"



Brass Tee, 3/4" male x female x male. Mainly used for installing heat exchanger on water heater when push-fit fittings are used.

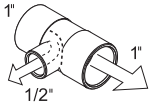
p/n	Description
9624	Tee, Brass, 3/4"

Brass Offset Tee, 4"

Can be used in conjunction with the Temperature Gauge (p/n 174 or p/n 6054) for monitoring furnace supply water temperature, or may be used instead of Nipple (p/n 533) and 90˚ Street Elbow (p/n 274) on supply and/or return bung.

p/n	Description
6764	Brass Offset Tee, 4"

Diverter Tee



The diverter tee is an excellent sweat fitting used mainly with fan-forced heaters.

p/n	Description
6782	Diverter Tee, 1" x 1" x 1/2"

Monoflo Copper Tee

Used to divert water into fan-forced heaters and radiators.

p/n	Description
4976	Copper Tee, 1" x 1" x 1/2"

45˚ Street Elbow

NPT 45˚ Street Elbow (black).

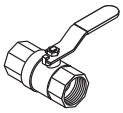
p/n	Description
124	45˚ Street Elbow, 3/4"
5000017	45˚ Street Elbow, 1-1/4"

90˚ Street Elbow

90˚ Street Elbow in different sizes.

p/n	Description
411	90˚ Street Elbow, 1-1/4"
5000016	90˚ Street Elbow, Black, 1-1/4"
274	90˚ Street Elbow, 3/4"
126	90˚ Street Elbow, Brass, 3/4"

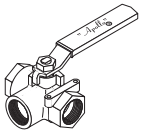
Ball Valve



Brass FIP Ball Valve. The 3/4" Full Port Ball Valve (p/n 198) is used on both sides of the pump and on the furnace for each water line.

p/n	Description
186	Ball Valve, 1/2"
198	Ball Valve, 3/4" Full Port
410	Ball Valve, 1-1/4"

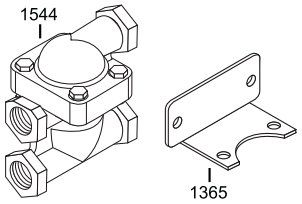
3-Way Valve



Manually operated, FIP, brass 3-Way Valve.

p/n	Description
330	3-Way Valve, Brass 3/4" FIP

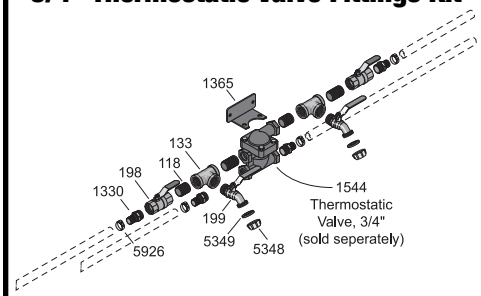
3/4" Thermostatic Valve



Thermostatic Valve prevents the water temperature from dropping below the optimal operating temperature.

p/n	Description
1544	3/4" NPT Thermostatic Valve
1365	Mounting Bracket for 3/4" NPT Thermostatic Valve

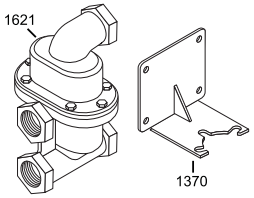
3/4" Thermostatic Valve Fittings Kit



For 3/4" Thermostatic Valve (p/n 1544).

p/n	Description
1548	3/4" NPT Thermostatic Valve Fittings Kit

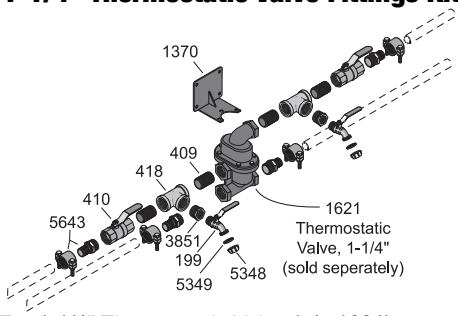
1-1/4" Thermostatic Valve



Thermostatic Valve prevents the water temperature from dropping below the optimal operating temperature.

p/n	Description
1621	1-1/4" NPT Thermostatic Valve
1370	Mounting Bracket for 1-1/4" NPT Thermostatic Valve

1-1/4" Thermostatic Valve Fittings Kit



For 1-1/4" Thermostatic Valve (p/n 1621).

p/n	Description
1624	1-1/4" NPT Thermostatic Valve Fittings Kit

Brass Swing Check Valve

Brass Swing Check Valve with FIP fittings prevents reverse circulation.

p/n	Description
296	Brass Swing Check Valve, 3/4"
5871	Brass Swing Check Valve, 1-1/4"

Cast Iron Manifold

Cast Iron Manifold features 1-1/2" FIP inlet and four 3/4" FIP outlets.

p/n	Description
407	Cast Iron Manifold

Manifold

Manifold features two 1-1/4" fittings, six 3/4" FIP fittings and two 1-1/4" bungs (one at each end) for large building system. Manifold measures 3" x 3" x 33-1/2".

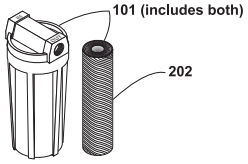
p/n	Description
395	Manifold

Y-Strainer

Y-Strainer with 0.20 mesh and FIP fittings. Recommended when installing plate-style heat exchangers. For 3/4" Y-Strainer, use 1/2" Brass Pipe Plug (p/n 6557) for cleanout port. For 1" Y-Strainer, use 3/4" Brass Pipe Plug (p/n 574) for cleanout port.

p/n	Description
1695	Y-Strainer, 3/4" Brass
573	Y-Strainer, 1" Brass
1694	Y-Strainer, 1-1/4" Black

Hot Filter & Cartridge



Hot Filter (#10) with cartridge, 3/4" FIP fittings.

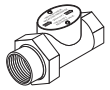
p/n	Description
101	Hot Filter, 3/4" FIP
202	Cartridge, #10

Brass Coupling

Brass Coupling with 3/4" threaded fittings.

p/n	Description
5367	Brass Coupling, 3/4" thread

Backflow Preventer



Used to protect water supplies from contamination.

p/n	Description
8364	Backflow Preventer, 3/4"

Purging and Filling Tee

Used to fill system and purge system of air.

p/n	Description
134	Purging and Filling Tee, 1"

Female Adapter, 3/4" Hose

p/n	Description
4928	Brass Adapter, 3/4" female hose x 3/4" male pipe

Male Adapter, 3/4" Hose

p/n	Description
4929	Brass Adapter, 3/4" male hose x 3/4" male pipe

Brass Fittings for 1-1/4" PEX Pipe

Brass fittings for 1-1/4" PEX pipe. To ease installation, it is recommended that a heat gun be used on the 1-1/4" PEX pipe.

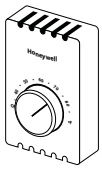
p/n	Description
380	Male Adapter, 1-1/4" barb x 1-1/4" MIP
381	Brass Coupling, 1-1/4" barb x 1-1/4" barb
382	Brass Elbow, 1-1/4" barb x 1-1/4" barb

PEX 1-1/4" Pipe

High-density, oxygen barrier, cross-link pipe, rated for 180˚F. Each length should be insulated separately as two will not fit inside Central Therm insulation.

p/n	Description
5670	PEX 1-1/4" Pipe, 150'
386	PEX 1-1/4" Pipe, 300'

Line Voltage Thermostat



Line Voltage Thermostat (120-volt) used to start the fan on forced-air systems.

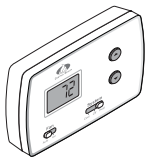
p/n	Description
1267	Line Voltage Thermostat

Programmable 24-Volt Thermostat

Can be used in conjunction with zone valves, zone pumps and forced-air systems or used to operate 24-volt 3-way zone valves (requires 24-volt transformer).

p/n	Description
588	Programmable 24-Volt Thermostat

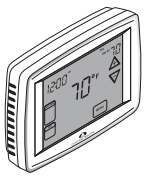
Single-stage, Non-programmable 24-Volt Thermostat



Can be used in conjunction with zone valves, zone pumps and forced-air systems or used to operate 24-volt 3-way zone valves (requires 24-volt transformer).

p/n	Description
731	Non-programmable 24-Volt Thermostat

Multi-stage 24-Volt Thermostat



Large, easy-to-read screen allows homeowners to use one thermostat to control up to three stages of heat and two stages of cooling. Fully programmable. Must be installed and wired by a qualified service technician.

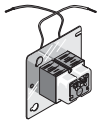
p/n	Description
587	Multi-stage 24-Volt Thermostat

Plug-in Thermostat

Plug-in Thermostat, 13.5-amp rated, 110-Volt, is for operating fan.

p/n	Description
368	Plug-in Thermostat

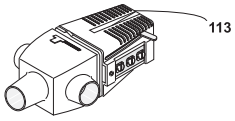
24-Volt Transformer



Used with 24-volt wall thermostat and 24-volt zone valves.

p/n	Description
188	24-Volt Transformer

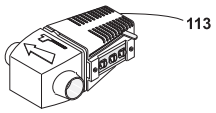
3-Way Zone Valve, 24-Volt



Used to bypass water for radiant floor heat, baseboard heat, swimming pool heaters, etc. (requires 24-volt transformer).

p/n	Description
114	3-Way Zone Valve, 24-Volt, 1" sweat fittings
127	3-Way Zone Valve, 24-Volt, 3/4" sweat fittings
113	Replacement Head

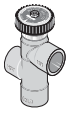
2-Way Zone Valve, 24-Volt



Used to bypass water for radiant floor heat, baseboard heat, swimming pool heaters, etc. (requires 24-volt transformer).

p/n	Description
671	2-Way Zone Valve, 24-Volt, 1" sweat fittings
571	2-Way Zone Valve, 24-Volt, 3/4" sweat fittings
113	Replacement Head

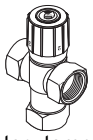
Tempering Valve



Mixing valve for tempering hot water, with an adjustable temperature range between 120-160˚F.

p/n	Description
163	Tempering Valve, 1/2" sweat fittings
140	Tempering Valve, 3/4" sweat fittings

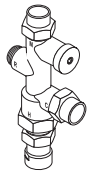
Thermostatic Mixing Valve



For controlling water temperature in various types of radiant heat systems. Temperature range 70˚F -180˚F (except p/n 306, range 70˚F - 145˚F). These are not anti-scald valves and are not intended to be used on water heaters.

p/n	Description
306	Thermostatic Mixing Valve, 1/2" NPT fittings
327	Thermostatic Mixing Valve, 3/4" NPT fittings
329	Thermostatic Mixing Valve, 1" NPT fittings

Thermostatic Mixing Valve

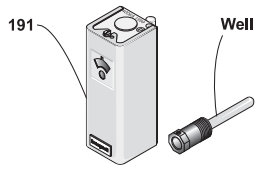


Designed specifically for water heaters, with a temperature range of 90˚F - 130˚F.

p/n	Description
326	Thermostatic Mixing Valve, 3/4" NPT fittings
620	Thermostatic Mixing Valve, Low Lead, 3/4" sweat fittings*

*Required in CA, VT and MD.

Pool Aquastat

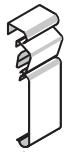


For controlling water temperature in pools, spas, etc., Immersible, temperature range of 40-180˚F in one-degree differential. With pool or hot tub application, it is recommended to use a stainless steel well (p/n 1248), sold separately.

p/n	Description
191	Pool Aquastat, 1/2" NPT fitting
1247	Well, 1/2" NPT fitting
1248	Well, SS, 1/2" NPT fitting

BASEBOARDS, COPPER CONNECTIONS

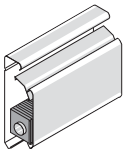
Baseboard Joiner



Used to cover joints in continuous lengths of baseboard.

p/n	Description
230	Baseboard Joiner

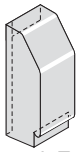
Baseboard, Complete



Each baseboard includes heating element and cover. Rated 610 Btu/ft at 180˚F water temperature. Flow rate of 4 gal/min, 3/4" copper sweat fittings. End caps, joiners and corners sold separately.

p/n	Description
234	Baseboard, Complete, 2'
235	Baseboard, Complete, 3'
236	Baseboard, Complete, 4'
237	Baseboard, Complete, 5'
238	Baseboard, Complete, 6'

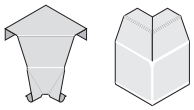
Baseboard End Cap



Left or right Baseboard End Caps for radiant baseboard water heater.

p/n	Description
232	Baseboard End Cap, Left
233	Baseboard End Cap, Right

Baseboard Corners



Inside and outside Baseboard Corner covers for radiant baseboard water heater.

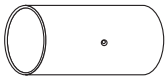
p/n	Description
182	Baseboard Corner, Inside
183	Baseboard Corner, Outside

90˚ Street Elbow, 1" Copper

90˚ street elbow with 1" female sweat fitting on one end and 1" male sweat fitting on the other.

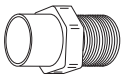
p/n	Description
103	Street Elbow, 1"

Copper Coupling



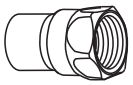
p/n	Description
146	Copper Coupling, 3/4" sweat x 3/4" sweat fittings
147	Copper Coupling, 1" sweat x 1" sweat fittings

Male Adapter, Copper



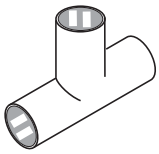
p/n	Description
116	Male Adapter, 3/4" sweat x 3/4" MIP fittings
120	Male Adapter, 1" sweat x 1" MPT fittings

Female Adapter, Copper



p/n	Description
164	Female Adapter, 1" sweat x 3/4" FIP fittings
117	Female Adapter, 3/4" sweat x 3/4" FIP fittings

Tee, Copper



p/n	Description
138	Tee, Copper Pipe, 1" x 1" x 1" sweat fittings
255	Tee, Copper Pipe, 3/4" x 3/4" x 3/4" sweat fittings

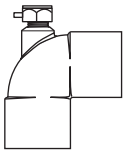
Reducing Tee, Copper

p/n	Description
178	Reducing Tee, 1-1/2" x 1" x 1" sweat fittings

Copper End Cap

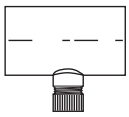
p/n	Description
376	Copper End Cap, 1" sweat fitting

Vent Elbow, Copper



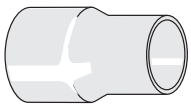
p/n	Description
372	Vent Elbow, 3/4" x 3/4" sweat fittings
112	Vent Elbow, 1" x 1" sweat fittings

Drain Coupling, Copper



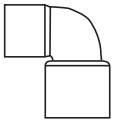
p/n	Description
373	Drain Coupling, Copper Pipe, 3/4" x 3/4" sweat fittings

Reducer, Copper



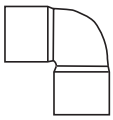
p/n	Description
231	Reducer, Copper Pipe, 1" x 3/4" sweat fittings

90˚ Reducing Elbow, Copper



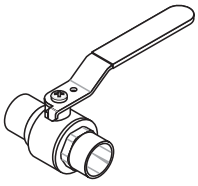
p/n	Description
123	90˚ Reducing Elbow, Copper Pipe, 1" x 3/4" sweat fittings

90˚ Elbow, Copper



p/n	Description
276	90˚ Elbow, Copper Pipe, 3/4" x 3/4" sweat fittings
277	90˚ Elbow, Copper Pipe, 1" x 1" sweat fittings

Sweat Ball Valve



p/n	Description
200	Sweat Ball Valve, 3/4" x 3/4" sweat fittings

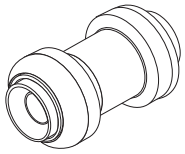
PUSH-FIT FITTINGS

Push-fit Fittings

Push-fit Fittings are designed to simplify pipe installation. The fittings allow the user to connect pipe in seconds with relative ease.

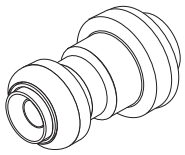
- Instant push-fit connection for increased ease-of-use.
- No soldering, clamps, unions or glue required.
- Fits copper tubing and PEX piping and connects in any combination.

Coupling, Straight



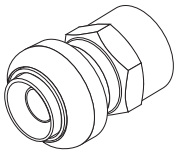
p/n	Description
606	Coupling, Straight, 1/2" x 1/2"
607	Coupling, Straight, 3/4" x 3/4"
608	Coupling, Straight, 1" x 1"

Coupling, Reducing



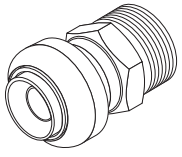
p/n	Description
609	Coupling, Reducing, 1" x 3/4"

Connector, Straight



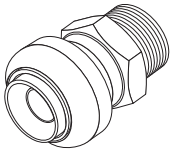
p/n	Description
610	Connector, Straight, 1/2" x 1/2" FNPT
611	Connector, Straight, 1" x 1" FNPT

Connector, Straight



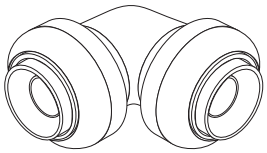
p/n	Description
612	Connector, Straight, 1" x 3/4" MNPT

Connector, Straight



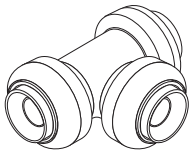
p/n	Description
9264	Connector, Straight, 3/4" x 3/4" MIP

Elbow



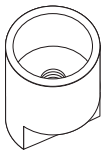
p/n	Description
613	Elbow, 1" x 1"
9265	Elbow, 3/4" x 3/4"

Tee



p/n	Description
614	Tee, 1" x 1" x 1"

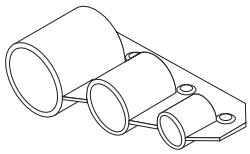
Temperature Gauge Fitting



1/8" MPT Temperature Gauge (p/n 6054) installs on Temperature Gauge Fitting and fitting installs on push-fit fitting Tee (p/n 614).

p/n	Description
1350	Temperature Gauge Fitting, 1" Push-fit x 1/8" NPT

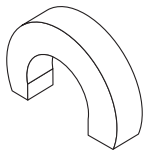
Depth Gauge/Deburring Tool



Deburs pipe and used to mark pipe to indicate when the pipe is inserted completely into the fitting. One tool for 1/2", 3/4" and 1" pipe.

p/n	Description
615	Depth Gauge/Deburring Tool

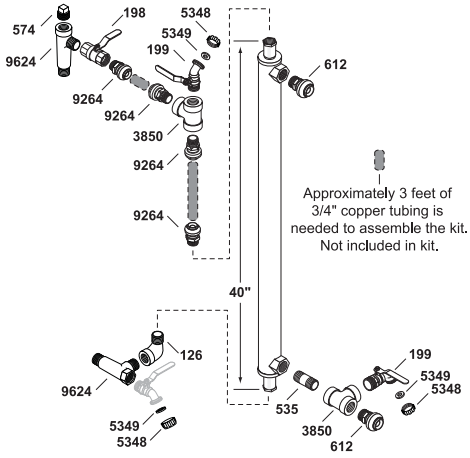
Disconnect Clip



Used to disconnect push-fit fittings quickly and easily.

p/n	Description
616	Disconnect Clip, 1/2"
617	Disconnect Clip, 3/4"
618	Disconnect Clip, 1"

Push-fit Fittings Water Heater Kit



Install on existing domestic water heater for thermal circulating heat transfer. Water-to-water heat exchanger is sold separately.

p/n	Description
9263	Push-fit Fittings Water Heater Kit

MAINTENANCE, REPLACEMENT AND OPTIONAL PRODUCTS

Water Softener Cartridge

For single use in filling water jacket, Water Softener Cartridge has 5,000 grains of removal capacity. For average water with 10 grains hardness, will treat 500 gallons water. May also be connected together to increase removal capacity.

p/n	Description
1310	Water Softener Cartridge

Corrosion Inhibitor Plus

Corrosion Inhibitor plus Polymer Solution helps protect exchangers and pumps against solids adhering to system parts. Refer to chart below for amounts used in each model furnace.

Models	Corrosion Inhibitor Amount
CL 4030	3/4 unit
CL 5036	1 unit
CL 6048	2 units
E-Classic 3200	2 units
E-Classic 2400	1-3/4 units
E-Classic 2300	2-1/2 units
E-Classic 1400	1 unit
Pallet Burner	3 units
CL 7260	4 units
Maxim M175, M250	1/2 unit

p/n	Description
1650	Corrosion Inhibitor Plus

Sludge Conditioner

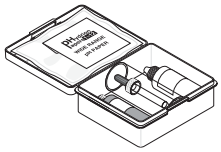
NOTE: Sludge Conditioner should be used if the water quality is known to contain higher concentrations of minerals or solids. It is best to use softened water instead. If a furnace has been subjected to low Corrosion Inhibitor levels and corrosion is evident in the water jacket, Sludge Conditioner can be used to help clean some of the corrosion from inside the water jacket before flushing and refilling.

Reduces mineral deposits in boiler side of water-to-water heat exchangers. Refer to chart below for amounts used in each model furnace.

Models	Sludge Conditioner Amount
CL 4030	**1/2 gal.**
CL 5036, CL 6048	**1 gal.**
CL 7260, Pallet Burner	**2 gal.**

p/n	Description
166	Sludge Conditioner, 1 gal.

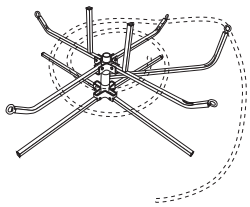
Water Test Kit



Water Test Kits and replacement items for testing your furnace water. Complete kits include pH test strips.

p/n	Description
405	Water Test Kit, Complete
597	Water Test Kit, Complete, Anti-Freeze Compatible
153	Litmus Paper
403	Permanganate
404	Sulfuric Acid

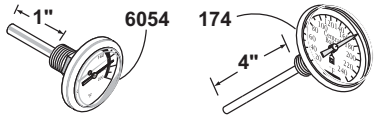
Decoiler



Useful when uncoiling and installing 1/2" tubing.

p/n	Description
1323	Decoiler

Temperature Gauges



In-line, dial temperature gauge with 1/2" MPT (p/n 174) is optional for manifold, pool heater systems, etc. Gauge (p/n 6054) is 1/8" MPT, 1" diameter with 1" stem length, for use in tight areas.

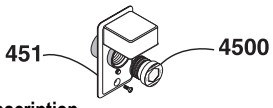
p/n	Description
6054	Temp. Gauge, 1/8" MPT
174	Temp. Gauge, 1/2" MPT

Black Silicone Adhesive, High Temperature

100% silicone adhesive.

p/n	Description
806	Black Silicone Adhesive, High Temperature, 10.1 oz

Fuse & Socket



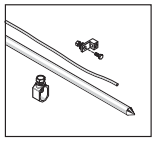
p/n	Description
4500	Fuse, 5-A
451	Socket, 5-A

Tile Tape

Recommended for taping Central Therm Insulation joints after gluing with contact cement.

p/n	Description
251	Tile Tape, roll

Grounding Rod Kit



Used to electrically ground the furnace.

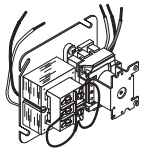
p/n	Description
6593	Grounding Rod Kit

Indoor Water Temperature Indicator Kit

Remote inline monitoring of water temperature (battery operated). Includes LCD, 75 feet of cord and probe. Dip switch can be set to either Fahrenheit or Celsius. NOTE: Black Tee (p/n 133) and Hex Bushing (p/n 180) are not included with the kit.

p/n	Description
5052	Indoor Water Temperature Indicator Kit
133	Tee, Black, 3/4" NPT
180	Hex Bushing, 3/4" x 1/8"

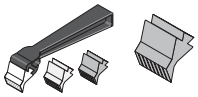
Fan Center Relay



The Fan Center Relay is used to control a 110-volt fan with a 24-volt thermostat.

p/n	Description
515	Fan Center Relay

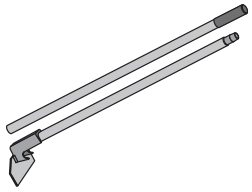
Fin Comb



Tool with six interchangeable heads for straightening fins on water-to-air heat exchangers. For all units with 8, 9, 10, 11, 12 and 14 fins per inch.

p/n	Description
5918	Fin Comb

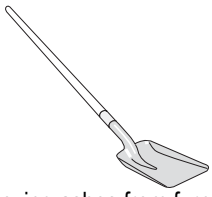
Hoe



Used as a firebox maintenance tool, hoe comes with metal handle.

p/n	Description
308	Hoe

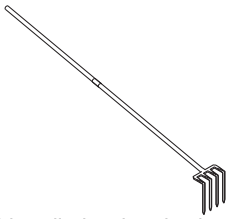
Ash Shovel



Used for removing ashes from furnace.

p/n	Description
299	Ash Shovel

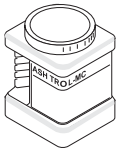
Ash Rake



Long, metal-handled ash rake is used to pull coals forward and to stir ashes.

p/n	Description
300	Ash Rake

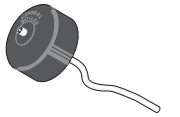
Ashtrol



Used as a furnace firebox pH modifier.

p/n	Description
297	Ashtrol, 6.25 lbs

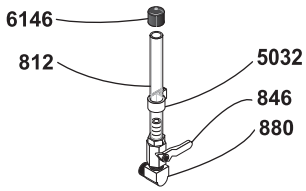
Vent Cap - Classic Models



Replacement Vent Cap for Classic outdoor furnaces helps prevent water loss through the vent pipe.

p/n	Description
320	Vent Cap - Classic Models

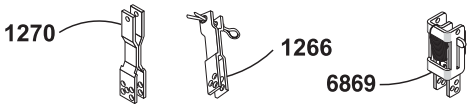
Sight Gauge Components



Sight Gauge Components replace original components.

p/n	Description
812	Sight Gauge Tube, 9/16" OD x 3/8" ID
5032	Clip
846	Valve, 1/4"
880	Elbow, 1/4"
6146	Dust Cap

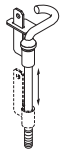
Linkage



Linkage between the solenoid and damper control. Each linkage comes complete with cotter pins.

p/n	Description
1266	Linkage, All Linkage Models
1270	Linkage, Wire Loop Models
6869	Spring-Assisted Linkage, All Linkage Models

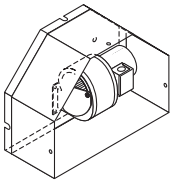
Door Lock Kit



Prevents unauthorized access to the firebox.

p/n	Description
5575	Door Lock Kit, for steel-door CL 7260 and Pallet Burner
537	Door Lock Kit, for other Cam Loc models (including CL 7260 cast-iron door)

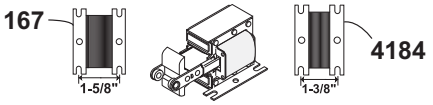
Draft Inducer



Bolts to existing draft hood (fan included). Must use 5-amp fuse. Do not use CL 7260 High-Output fan (p/n 5549) if a burner has been installed on the outdoor furnace.

p/n	Description
400	Draft Inducer, Side Draft
500	Draft Inducer, Ripple Front Door
700	Draft Inducer, Flat Front Door
6576	Draft Inducer, CL 7260 Dual Fuel (w/fuses)
5549	Draft Inducer, CL 7260 High-Output
8563	Draft Inducer Fan (only)

Solenoid



Because damper control solenoids are not interchangeable, check measurement and application dates carefully. Solenoid (p/n 167) is for pre-June 2000 models. Solenoid (p/n 4184) is for models after June 2000.

p/n	Description
167	Solenoid, 1-5/8" center-to-center bracket hole
4184	Solenoid, 1-3/8" center-to-center bracket hole

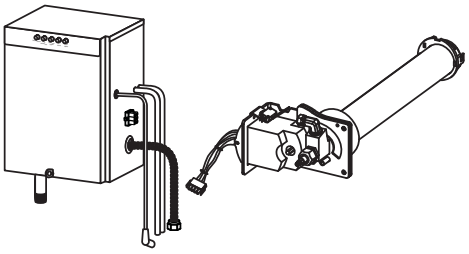
HeatTrac Controller Update Kits

Kits replace the HeatTrac Controller on furnaces. Kit (p/n 10904) is for furnaces with a hinged electrical box controller door. Kit (p/n 10902) is for furnaces with removable side panel cover.

p/n	Description
10904	HeatTrac Controller Update Kit (Models with Hinged Controller Door)
10902	HeatTrac Controller Update Kit (Models with Removable Side Panel Cover)

MAINTENANCE, REPLACEMENT AND OPTIONAL PRODUCTS - E-CLASSIC

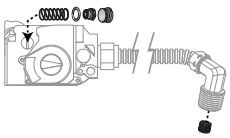
Gas Burner Kits



Optional LP gas burner for E-Classic 1400 IR, 1450 IR, 2400 IR and 3200 IR models.

p/n	Description
2500002	LP Gas Burner Kit, E-Classic 1400 IR Models
2500000	LP Gas Burner Kit, E-Classic 1450 IR Models
2500003	LP Gas Burner Kit, E-Classic 2400 IR Models
2500004	LP Gas Burner Kit, E-Classic 3200 IR Models

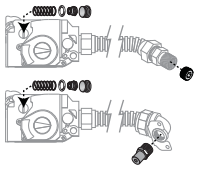
Natural Gas Conversion Kit



Converts E-Classic IR models with an optional LP gas burner (see above) from propane to natural gas.

p/n	Description
2500001	Natural Gas Conversion Kit, E-Classic IR Models

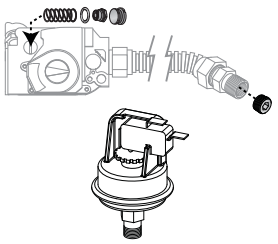
Natural Gas Conversion Kit



Converts E-Classic 2300 models from propane to natural gas.

p/n	Description
10598	Natural Gas Conversion Kit

Natural Gas Conversion Kit

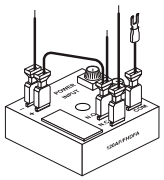


Converts E-Classic 1400 or 2400 models from propane to natural gas.

NOTE: NG Conversion Kit only needed for gas burner kits sold before Dec. 1, 2010. After that date, complete gas burner kits are available.

p/n	Description
10588	Natural Gas Conversion Kit, E-Classic 1400/2400

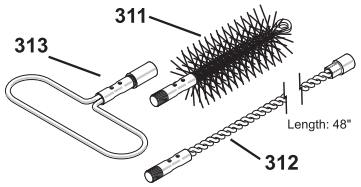
Pulse Timer Kit



Adds an air pulse timer relay to E-Classic 2300 wood only models for setting the duration of the air pulse and the length of time between them. For E-Classic 2300 wood only models with a serial number prior to E17808.

p/n	Description
10835	Pulse Timer Kit

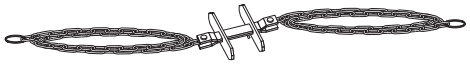
Flue Brush & Handle



Used to clean the flue passageways of E-Classic 2300 models. Flue Brush Kit (p/n 310) includes 311, 312 and handle. Not to be used for cleaning 6" or 8" chimney.

p/n	Description
310	Flue Brush Kit

Heat Exchanger Scraper



Used to clean the flue passageways of E-Classic 3200 models.

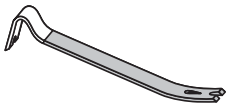
p/n	Description
11384	Heat Exchanger Scraper

Cleaning Rod

Used to clean the firebox of E-Classic models.

p/n	Description
9439	Cleaning Rod, E-Classic

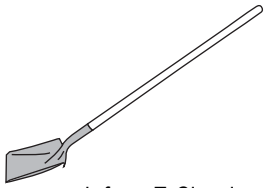
Wonder Bar



Used to clean the firebox of E-Classic models.

p/n	Description
10691	Wonder Bar

Ash Shovel



Used to remove ash from E-Classic models.

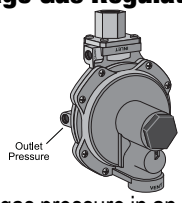
p/n	Description
1970	Ash Shovel

LED Replacement Bulb/Plug

Replacement LED bulb/plug for E-Classic models.

p/n	Description
10486	LED, Roof Panel
10487	LED, Door

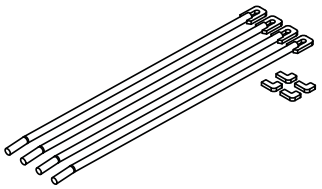
2-Stage Gas Regulator Kit



Regulates the gas pressure in an LP tank. For all E-Classic or Maxim models.

p/n	Description
1930	2-Stage Gas Regulator Kit

Spacer Bar Kit



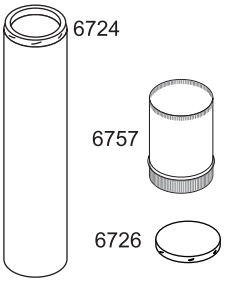
Installs on the sides of E-Classic 2300 firebox to prevent obstruction of primary combustion outlets.

NOTE: Installation of this kit involves welding inside the firebox and must be installed only by a qualified service technician.

p/n	Description
10844	Spacer Bar Kit

CHIMNEY COMPONENTS - CLASSIC, E-CLASSIC AND PALLET BURNER

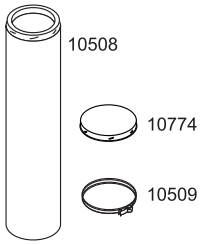
Classic Stainless Steel Chimney Sections



Type HT listed, factory-built, all stainless steel chimney section. If connecting to Chimney Extension (p/n 10508), use the 8" Chimney Band Clamp Kit (p/n 4518) at the joints. Sections are four feet long.

p/n	Description
6724	Chimney Extension, 4'
6757	Chimney Conversion Adapter, 8"
6726	Chimney Rain Cap, 8"

E-Classic Stainless Steel Chimney Section



8" Stainless steel chimney currently shipped with E-Classic models (except E-CL 1450). Shipped with E-CL 1400 since s/n E100299 and E-CL 2300 since s/n E17856. Compatible with Chimney Extension (p/n 6724). If connecting to Chimney Extension (p/n 6724), use 8" Chimney Band Clamp Kit (p/n 4518) at the joints, not Chimney Locking Band (p/n 10509). For outdoor applications only. Not to be used for venting of indoor heating appliances.

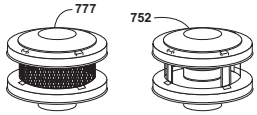
p/n	Description
10508	Chimney Extension, 4'
10509	Chimney Locking Band
10774	Chimney Rain Cap, 8"

E-Classic 1450 Stainless Steel Chimney Sections

Type HT listed, factory-built, all stainless steel 6" chimney section. Sections are four feet long.

p/n	Description
6797	Chimney Extension, 4'
4082	Chimney Rain Cap

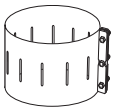
6" Chimney Cap



For E-CL 1450 chimney, with or without screen.

p/n	Description
777	Chimney Cap, 6" w/screen
752	Chimney Cap, 6" w/o screen

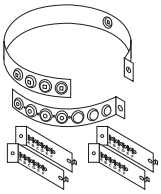
6" Chimney Band Clamp Kit



Reinforces strength between two sections of 6" chimney.

p/n	Description
9535	Chimney Band Clamp Kit, 6"

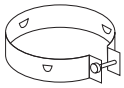
Chimney Attachment Ring



Used with electrical conduit (not included) to reinforce chimney when five or more sections are used. Must be located directly below 6" Chimney Band Clamp (p/n 9535) to reduce stress on the joint.

p/n	Description
774	Chimney Attachment Ring

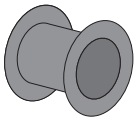
6" Chimney Guy-Wire Band



Attached to the outer casing of a 6" chimney to hold three guy-wires (not included). Recommended for chimneys exceeding the roof by 5' to 13' maximum.

p/n	Description
776	Guy-Wire Band

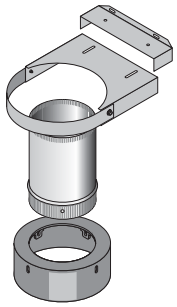
Chimney Tee Restrictor Kit



Installed in chimney tee to lower the burn rate. For use only with CL 4030, CL 5036 and CL 6048 models.

p/n	Description
10970	Chimney Tee Restrictor Kit

Chimney Components

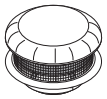


Chimney Adapter Kit (p/n 10895) converts CL 7260 and Pallet Burner models to the new chimney style (p/n 6724). The conversion will require three Chimney Extensions (p/n 6724).

Chimney Extension Components

p/n	Description
10895	Chimney Adapter Kit, 10" to 8", For Pallet Burner and CL 7260 models
6172	Elbow, 8", 45-degree
6173	Chimney Section, 8" x 24" for Tower Installation

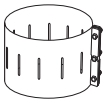
8" Spark Arrestor



Stainless steel Spark Arrestor for the new-style chimney (p/n 6724).

p/n	Description
396	Spark Arrestor

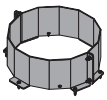
8" Chimney Band Clamp Kit



Reinforces strength between two sections of 8" chimney.

p/n	Description
4518	Chimney Band Clamp Kit, 8"

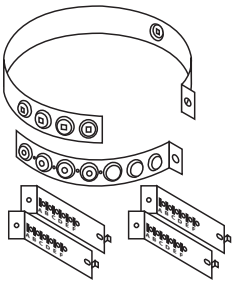
8" Chimney Base Brace Kit



Used to reinforce the chimney base when three or more chimney sections are used.

p/n	Description
4519	Chimney Base Brace Kit, 8"

Chimney Attachment Ring



Used with electrical conduit (not included) to reinforce chimney when five or more sections are used. Must be located directly below 8" Chimney Band Clamp (p/n 4518) to reduce stress on the joint.

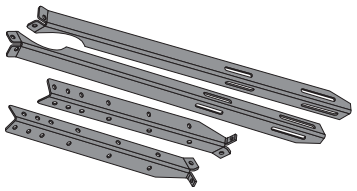
p/n	Description
774	Chimney Attachment Ring

8" Chimney Guy-Wire Band Kit

Used to provide additional stability to chimneys in installations where property damage could occur within the fall zone of the chimney. Guy wire is not included in kit.

p/n	Description
778	Chimney Guy-Wire Band Kit

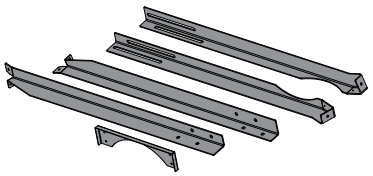
Chimney Support Brace Kit



Reinforces strength of chimney support when several chimney sections are used. For use only with CL 4030, CL 5036 and CL 6048 models.

p/n	Description
4554	Chimney Support Brace Kit

Chimney Support Brace Kit



Reinforces strength of chimney support when several chimney sections are used. For use only with CL 7260 and Pallet Burner models.

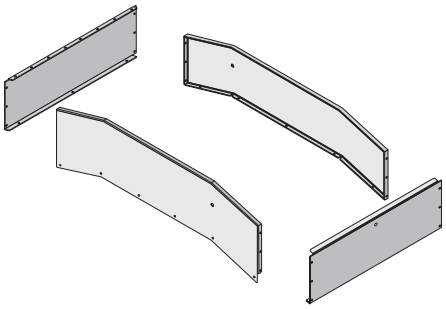
p/n	Description
8402	Chimney Support Brace Kit

Insulation

Transition Box Service Kit (p/n 4337) includes all insulation pieces for the chimney transition box.

p/n	Description
4337	Transition Box Service Kit
6287	Insulation, Door - M175

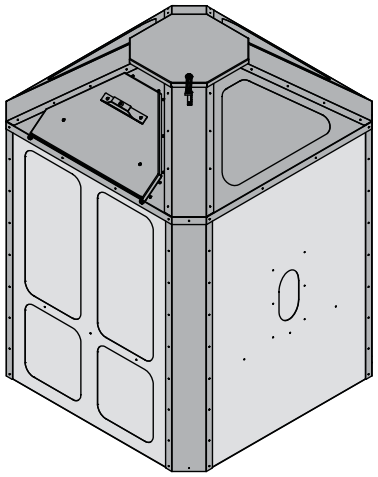
Hopper Extension Kit



Increases hopper capacity by 3 bushels. For M175 models only.

p/n	Description
4536	Hopper Extension Kit - Green
4537	Hopper Extension Kit - Terra Brown

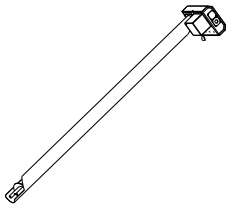
48-Bushel Hopper Kit



Increases fuel storage capacity for Maxim M175 and M250 models. Does not include auxiliary auger. Use the 5-1/2' Auxiliary Auger Kit (p/n 9440) to locate the 48-Bushel Hopper to the side of the outdoor furnace. Available in either green and olive gray or terra brown and taupe to match the Maxim.

p/n	Description
9760	48-Bushel Hopper Kit - Green and Olive Gray
9660	48-Bushel Hopper Kit - Terra Brown and Taupe

Auxiliary Auger Kits for Maxim

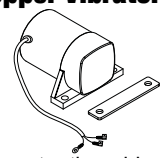


Transfer augers for external hoppers. Use 5-1/2' Auxiliary Auger Kit (p/n 2500007) with the 48-Bushel Hopper Kit (p/n 9660 or 9760) when the hopper is located to the side of the furnace. The 6' Auxiliary Auger Kit (p/n 2500008) and 8' Auxiliary Auger Kit (p/n 2500009) will not work with the 48-Bushel Hopper.

NOTE: For furnaces with a serial number prior to M16073, the Power Cord (p/n 4177) must be purchased separately.

p/n	Description
2500008	Auxiliary Auger Kit, 6'
2500007	Auxiliary Auger Kit, 5-1/2'
2500009	Auxiliary Auger Kit, 8'
4177	Power Cord (see note above)

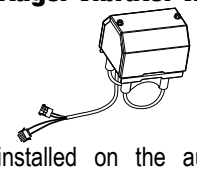
Hopper Vibrator Kit



Vibrator attaches to the side of the Maxim's integrated hopper to keep fuel from bridging. Templates provided for both M175 or M250 models.

p/n	Description
9691	Hopper Vibrator Kit

Auxiliary Auger Vibrator w/Timer Kit



Vibrator is installed on the auxiliary auger connected to an external 43-bushel or 48-bushel hopper. For use with Auxiliary Auger Kits 9440, 9453 and 9454 only. Vibration occurs based on timer setting.

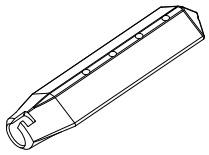
p/n	Description
9458	Auxiliary Auger Vibrator w/Timer Kit

Bag Holder Kit

Bag Holder attaches to the inside of the door of the 48-Bushel Hopper to support bag of fuel.

p/n	Description
9804	Bag Holder Kit

Aerator



The aerator supplies oxygen to the fuel for the most complete combustion.

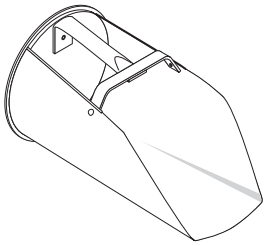
p/n	Description
9707	Aerator, Cast
9710	Aerator, Stainless Steel

3/8" Cleaning Rod

Used to clean burn chamber.

p/n	Description
317	3/8" Cleaning Rod

Ash Scoop



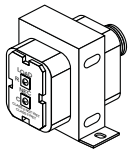
4-Quart galvanized Ash Scoop is ideal for cleaning ashes from furnace.

p/n	Description
315	Ash Scoop

Round Pipe Caps

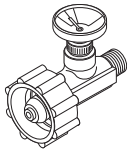
p/n	Description
332	3/4" Round Pipe Cap
333	1-1/4" Round Pipe Cap

24V Transformer



p/n	Description
4045	24V Transformer

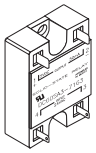
Propane Shut-off with Level Indicator



Used to monitor propane in a BBQ-style tank with Type 1 Acme threads connected to a Maxim furnace.

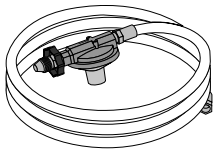
p/n	Description
4220	Propane Shut-off with Level Indicator

Relay



p/n	Description
9504	Relay

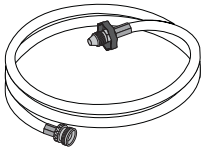
Gas Hose w/Regulator



For use with M175 models only. Not recommended for use in cold weather.

p/n	Description
5567	Gas Hose w/Regulator

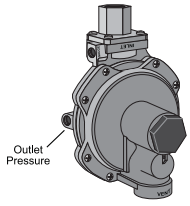
High Pressure Gas Hose Adapter



For M250 models when attaching to an external propane tank larger than one pound.

p/n	Description
9293	Gas Hose Adapter, High Pressure

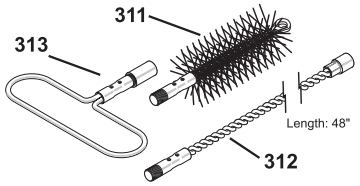
2-Stage Gas Regulator Kit



Regulates the gas pressure in an LP tank. For all E-Classic or Maxim models.

p/n	Description
1930	2-Stage Gas Regulator Kit

Flue Brush & Handle



Used to clean the flue passageways of M175 models. Flue Brush Kit (p/n 310) includes 311, 312 and handle. Not to be used for cleaning 6" or 8" chimney.

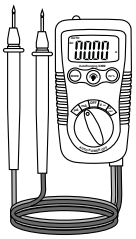
p/n	Description
310	Flue Brush Kit

Flue Brush & Handle

Used to clean the flue passageways of M250 models. Flue Brush Kit (p/n 390) includes 398, 312 and handle. Not to be used for cleaning 6" or 8" chimney.

p/n	Description
390	Flue Brush Kit

Digital Pocket Multimeter



Digital multimeter performs several electrical measurement functions in one simple-to-use instrument.

p/n	Description
2657	Digital Pocket Multimeter

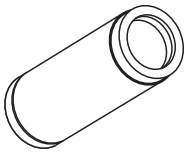
CHIMNEY COMPONENTS - MAXIM

Maxim Stainless Steel Chimney Sections

Type HT listed, factory-built, all stainless steel 6" chimney section. Sections are four feet long.

p/n	Description
6797	Chimney Extension, 4'
4082	Chimney Rain Cap

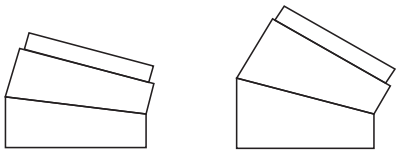
Maxim Chimney Lengths



Three lengths of insulated chimney to obtain the required installation height. Features a 1/8-turn Twist-Lock assembly.

p/n	Description
757	Chimney Length, 12"
758	Chimney Length, 24"
759	Chimney Length, 36"

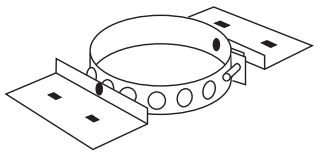
Chimney Elbow



Allows an offset of a chimney to by-pass an obstacle. A maximum of two offsets (four elbows) is allowed.

p/n	Description
760	Chimney Elbow, 15˚
761	Chimney Elbow, 30˚

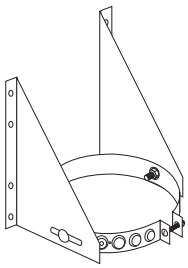
Universal Roof Support



Adjustable to any roof pitch, designed to support chimney when chimney height exceeds loadbearing capacity of primary support.

p/n	Description
769	Universal Roof Support

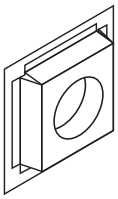
Universal Offset/Wall Support



Supports chimney above the offset of a vertical wall or as a wall support above the insulated tee.

p/n	Description
770	Universal Offset/Wall Support

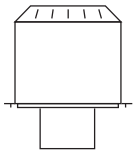
Radiation Shield



Used where the chimney passes through a ceiling or exterior opening when insulation is required. Must be used in combination with an attic radiation shield when passing through an attic.

p/n	Description
764	Radiation Shield

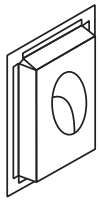
Attic Radiation Shield



Protects combustible materials when a chimney passes through an attic. Used with radiation shield in applications when chimney passes through an attic.

p/n	Description
763	Attic Radiation Shield

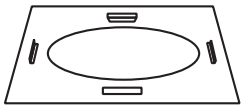
Wall Radiation Shield



Designed for use when the chimney passes through a wall at an angle.

p/n	Description
771	Wall Radiation Shield

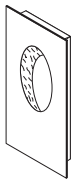
Firestop



Used in combination with a radiation shield to provide additional protection when a chimney passes through combustible materials.

p/n	Description
765	Firestop

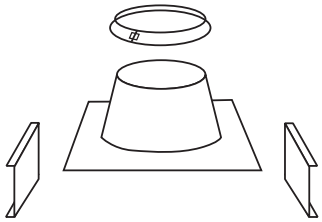
Firestop



For use with radiation shield for offset installations.

p/n	Description
751	Firestop

Flashing, Flat Roof

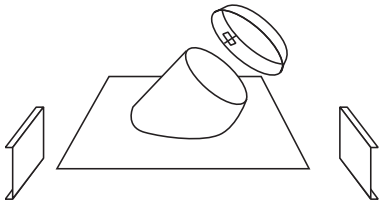


Seals a chimney length when passing through a flat roof. Includes storm collar.

p/n	Description
766	Flashing, Flat Roof

CHIMNEY COMPONENTS - MAXIM

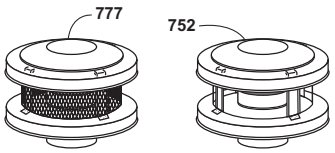
Flashing, Adjustable Roof



Required for chimney installations passing through a roof peak. Available in two models for different roof pitches.

p/n	Description
767	Flashing, Adjustable Roof, 1/12 to 7/12 Pitch
754	Flashing, Adjustable Roof, 8/12 to 12/12 Pitch
768	Flashing, Adjustable Roof, 12/12 to 21/12 Pitch

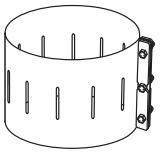
6" Chimney Cap



Cap for 6" chimney, with or without screen.

p/n	Description
777	Chimney Cap, 6" w/screen
752	Chimney Cap, 6" w/o screen

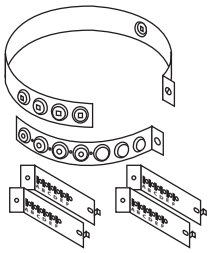
6" Chimney Band Clamp Kit



Reinforces strength between two sections of 6" chimney.

p/n	Description
9535	Chimney Band Clamp Kit, 6"

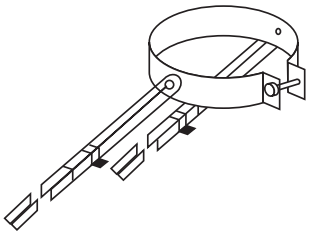
Chimney Attachment Ring



For use on an interior or exterior wall, stabilizes chimney while providing required clearance from combustible surface. Use of Chimney Attachment Rings at maximum intervals of 8' is recommended.

p/n	Description
774	Chimney Attachment Ring

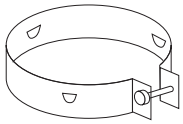
Universal Roof Brace



For stabilizing a chimney extending from 5' to 9' beyond the roof, or when chimney is exposed to high winds. Includes tightening collar and adjustable legs.

p/n	Description
775	Universal Roof Brace

Guy-Wire Band



Attached to the outer casing of the chimney to hold three guy-wires (not included). Recommended for chimneys exceeding the roof by 5' to 13' maximum.

p/n	Description
776	Guy-Wire Band

NUMERICAL PARTS LIST

100 Soldering Flux (6 oz) . . . 9
101 Hot Filter, 3/4" FIP . . . 10
102 Heat Exchanger Coil, 95k Btu . . . 2
103 Street Elbow, 1" . . . 12
104 Clamp Crimp Ring Removal Tool . . . 6
105 Hex Bushing, 1-1/2" x 3/4" . . . 9
106 Heat Exchanger Coil, 100k Btu . . . 2, 3
107 Heat Exchanger Coil, 125k Btu, straight outlets . . . 2
108 Heat Exchanger Coil, 140k Btu . . . 2, 3
109 Heat Exchanger Coil, 80k Btu . . . 2
110 Heat Exchanger Coil, 185k Btu . . . 2
111 Heat Exchanger Coil, 220k Btu . . . 2
112 Vent Elbow, 1" x 1" sweat fittings . . . 12
113 Replacement Head . . . 11
114 3-Way Zone Valve, 24-Volt, 1" sweat fittings . . . 11
116 Male Adapter, 3/4" sweat x 3/4" MIP fittings . . . 12
117 Female Adapter, 3/4" sweat x 3/4" FIP fittings . . . 12
118 Nipple, 3/4" x close . . . 9
119 Pump Flange Kit, 3/4" . . . 5
120 Male Adapter, 1" sweat x 1" MPT fittings . . . 12
123 90˚ Reducing Elbow, Copper Pipe, 1" x 3/4" sweat fittings . . . 12
124 45˚ Street Elbow, 3/4" . . . 9
126 90˚ Street Elbow, Brass, 3/4" . . . 9
127 3-Way Zone Valve, 24-Volt, 3/4" sweat fittings . . . 11
128 Plate Exchanger, MPN 5 x 12-40, 1-1/4" Port . . . 7
129 Plate Exchanger, MPN 5 x 12-50, 1-1/4" Port . . . 7
133 Tee, Black, 3/4" NPT . . . 9, 14
134 Purging and Filling Tee, 1" . . . 10
138 Tee, Copper Pipe, 1" x 1" x 1" sweat fittings . . . 12
140 Tempering Valve, 3/4" sweat fittings . . . 11
145 Crimp Ring Tool, 1" . . . 6
146 Copper Coupling, 3/4" sweat x 3/4" sweat fittings . . . 12
147 Copper Coupling, 1" sweat x 1" sweat fittings . . . 12
148 Water-to-Water Heat Exchanger, Shell & Tube, 27" . . . 8
151 Water-to-Water Heat Exchanger, Shell & Tube, 60" . . . 8
153 Litmus Paper . . . 14
154 Blower & Motor, 1/4-hp 3-speed fan . . . 3
163 Tempering Valve, 1/2" sweat fittings . . . 11
164 Female Adapter, 1" sweat x 3/4" FIP fittings . . . 12
166 Sludge Conditioner, 1 gal . . . 14
167 Solenoid, 1-5/8" center-to-center bracket hole . . . 15
170 Replacement Cartridge, 007 Series Pumps . . . 5
171 Taco 007 Pump . . . 5
172 Replacement Cartridge, 009 Series Pumps . . . 5
173 Taco 009 Pump . . . 5
174 Temp. Gauge, 1/2" MPT . . . 14
175 Taco 006 Pump . . . 5
176 Taco 014 Pump . . . 5
177 Heat Exchanger, Water-to-Water, Shell & Tube, 48" . . . 8
178 Reducing Tee, 1-1/2" x 1" x 1" sweat fittings . . . 12
179 Replacement Cartridge, 014 Series Pumps . . . 5
180 Hex Bushing, 3/4" x 1/8" . . . 9, 14
182 Baseboard Corner, Inside . . . 12
183 Baseboard Corner, Outside . . . 12
186 Ball Valve, 1/2" . . . 9
188 24-Volt Transformer . . . 11
191 Pool Aquastat, 1/2" NPT fitting . . . 11
194 Pump Flange Kit, 1" . . . 5
195 PEX Pipe Cutter . . . 6
198 Ball Valve, 3/4" Full Port . . . 9
199 Brass Hose Bib, 3/4" MPT . . . 9
200 Sweat Ball Valve, 3/4" x 3/4" sweat fittings . . . 12
201 Flow Check Valve, 1" threaded . . . 8
202 Cartridge, #10 . . . 10
203 Blower & Motor, 1/15-hp . . . 3
208 Blower & Motor, 1-hp . . . 3
219 Replacement Cartridge, 011 Series Pumps . . . 5
222 Replacement Cartridge, 006 Series Pumps . . . 5
224 "Free Floating" Flange Kit, 3/4" . . . 5
225 Isolation Flange Kit, 1-1/4" . . . 5
226 Isolation Flange with Drain Valve, 3/4" . . . 5
230 Baseboard Joiner . . . 12
231 Reducer, Copper Pipe, 1" x 3/4" sweat fittings . . . 12
232 Baseboard End Cap, Left . . . 12
233 Baseboard End Cap, Right . . . 12
234 Baseboard, Complete, 2' . . . 12
235 Baseboard, Complete, 3' . . . 12
236 Baseboard, Complete, 4' . . . 12
237 Baseboard, Complete, 5' . . . 12
238 Baseboard, Complete, 6' . . . 12
241 Central Therm Insulation, 8' . . . 7
242 Central Therm Insulation, 4' . . . 7
251 Tile Tape, roll . . . 14
255 Tee, Copper Pipe, 3/4" x 3/4" x 3/4" sweat fittings . . . 12
274 90˚ Street Elbow, 3/4" . . . 9
276 90˚ Elbow, Copper Pipe, 3/4" x 3/4" sweat fittings . . . 12
277 90˚ Elbow, Copper Pipe, 1" x 1" sweat fittings . . . 12
286 Automatic Vent Valve . . . 8
287 Heat Exchanger Coil, 50k Btu . . . 2
293 PEX Hanger, 1/2" . . . 7
295 PEX Hanger, 1" . . . 7
296 Brass Swing Check Valve, 3/4" . . . 10
297 Ashtrol, 6.25 lbs . . . 15
299 Ash Shovel . . . 15
300 Ash Rake . . . 15
301 Air Handler Cabinet, 100k-140k Btu, front access . . . 3
303 Air Handler Cabinet, 185k-220k Btu, front access . . . 3
306 Thermostatic Mixing Valve, 1/2" NPT fittings . . . 11
308 Hoe . . . 15
310 Flue Brush Kit . . . 16, 20
314 Nipple, 1-1/2" x close . . . 9
315 Ash Scoop . . . 19
317 3/8" Cleaning Rod . . . 19
318 Heat Exchanger, Water-to-Water, Double Wall, 42" . . . 8
320 Vent Cap - Classic Models . . . 15
321 Space Heater Cabinet . . . 3
322 Fan . . . 2
323 Transition . . . 2
324 Crimp Ring Tool, 1/2" . . . 6
325 Hex Bushing, 3/4" x 1/2" . . . 9
326 Thermostatic Mixing Valve, 3/4" NPT fittings . . . 11
327 Thermostatic Mixing Valve, 3/4" NPT fittings . . . 11
329 Thermostatic Mixing Valve, 1" NPT fittings . . . 11
330 3-Way Valve, Brass 3/4" FIP . . . 9
331 Pipe Plug, 3/4" . . . 9
332 3/4" Round Pipe Cap . . . 19
333 1-1/4" Round Pipe Cap . . . 19
336 Pipe Plug, 1-1/2" . . . 9
353 Louvers, fit Heat Exchanger Coil (p/n 111) . . . 3
354 Louvers, fit Heat Exchanger Coil (p/n 108) . . . 3
355 Louvers, fit Heat Exchanger Coil (p/n 106) . . . 3
368 Plug-in Thermostat . . . 11
372 Vent Elbow, 3/4" x 3/4" sweat fittings . . . 12
373 Drain Coupling, Copper Pipe, 3/4" x 3/4" sweat fittings . . . 12
376 Copper Cap, 1" . . . 7, 12
378 Cleaning Brush, 3/4" . . . 9
379 Cleaning Brush, 1" . . . 9
380 Male Adapter, 1-1/4" barb x 1-1/4" MIP . . . 10
381 Brass Coupling, 1-1/4" barb x 1-1/4" barb . . . 7, 10
382 Brass Elbow, 1-1/4" barb x 1-1/4" barb . . . 10
383 Pipe Plug, 1-1/4" . . . 9
385 Brass Hex Bushing, 1-1/2" x 3/4" . . . 9
386 PEX 1-1/4" Pipe, 300' . . . 10
388 Hex Bushing, 1-1/4" x 3/4" . . . 9
390 Flue Brush Kit . . . 20
395 Manifold . . . 10
396 Spark Arrestor . . . 17
400 Draft Inducer, Side Draft . . . 15
403 Permanganate . . . 14
404 Sulfuric Acid . . . 14
405 Water Test Kit, Complete . . . 14
407 Cast Iron Manifold . . . 10
408 Hex Bushing, 1-1/2" x 1-1/4" . . . 9
409 Nipple, 1-1/4" x close . . . 9
410 Ball Valve, 1-1/4" . . . 9
411 90˚ Street Elbow, 1-1/4" . . . 9
412 Hex Bushing, 1-1/4" x 1/2" . . . 9
413 Taco 007 Priority Pump . . . 5
415 Transition . . . 3
416 Transition . . . 3
418 Tee, Black, 1-1/4" NPT . . . 9
451 Socket, 5-A . . . 14
500 Draft Inducer, Ripple Front Door . . . 15
506 Central Therm Sleeve Dispenser . . . 7
515 Fan Center Relay . . . 14
524 Central Therm Sleeve, 100' . . . 7
525 Central Therm Sleeve, 200' . . . 7
526 Central Therm Sleeve, 300' . . . 7
527 Central Therm Sleeve, 500' . . . 7
533 Nipple, 3/4" x 2" . . . 9
534 Nipple, 3/4" x 7" . . . 9
535 Nipple, Brass, 3/4" x 2" . . . 9
536 Nipple, Brass, 3/4" x 7" . . . 9
537 Door Lock Kit, for other Cam Loc models (including CL 7260 cast-iron door) . . . 15
542 O-Ring Set . . . 5
556 Power Supply Cord, 32" . . . 5
571 2-Way Zone Valve, 24-Volt, 3/4" sweat fittings . . . 11
573 Y-Strainer, 1" Brass . . . 10
574 Pipe Plug, Brass 3/4" . . . 9
587 Multi-stage 24-Volt Thermostat . . . 11
588 Programmable 24-Volt Thermostat . . . 3, 11
591 Water-to-Water Heat Exchanger, 40" . . . 8
597 Water Test Kit, Complete, Anti-Freeze Compatible . . . 14
600 Panel Radiator, 32" x 16" . . . 8
601 Panel Radiator, 35-1/2" x 24" . . . 8
602 Panel Radiator, 51-1/2" x 24" . . . 8
603 Panel Radiator, 55-1/4" x 24" . . . 8
604 TRV II Valve Body and Head, 1/2" Vertical . . . 8
605 LKD Valve Body with No Cap, 1/2" Preset Flow Rate . . . 8
606 Coupling, Straight, 1/2" x 1/2" . . . 13
607 Coupling, Straight, 3/4" x 3/4" . . . 13
608 Coupling, Straight, 1" x 1" . . . 13
609 Coupling, Reducing, 1" x 3/4" . . . 13
610 Connector, Straight, 1/2" x 1/2" FNPT . . . 13
611 Connector, Straight, 1" x 1" FNPT . . . 13
612 Connector, Straight, 1" x 3/4" MNPT . . . 13
613 Elbow, 1" x 1" . . . 13
614 Tee, 1" x 1" x 1" . . . 13
615 Depth Gauge/Deburring Tool . . . 13
616 Disconnect Clip, 1/2" . . . 13
617 Disconnect Clip, 3/4" . . . 13
618 Disconnect Clip, 1" . . . 13
620 Thermostatic Mixing Valve, Low Lead, 3/4" sweat fittings . . . 11
671 2-Way Zone Valve, 24-Volt, 1" sweat fittings . . . 11
672 Central Therm Sleeve, 800' . . . 7
700 Draft Inducer, Flat Front Door . . . 15
704 Heat Exchanger Coil, 125k Btu, 90˚ outlets . . . 2
731 Non-programmable 24-Volt Thermostat . . . 3, 11
751 Firestop . . . 21
752 Chimney Cap, 6" w/o screen . . . 17, 22
754 Flashing, Adjustable Roof, 8/12 to 12/12 Pitch . . . 22
757 Chimney Length, 12" . . . 21
758 Chimney Length, 24" . . . 21
759 Chimney Length, 36" . . . 21
760 Chimney Elbow, 15˚ . . . 21
761 Chimney Elbow, 30˚ . . . 21
763 Attic Radiation Shield . . . 21
764 Radiation Shield . . . 21
765 Firestop . . . 21
766 Flashing, Flat Roof . . . 21
767 Flashing, Adjustable Roof, 1/12 to 7/12 Pitch . . . 22
768 Flashing, Adjustable Roof, 12/12 to 21/12 Pitch . . . 22
769 Universal Roof Support . . . 21
770 Universal Offset/Wall Support . . . 21
771 Wall Radiation Shield . . . 21
774 Chimney Attachment Ring . . . 17, 18, 22
775 Universal Roof Brace . . . 22
776 Guy-Wire Band . . . 17, 22
777 Chimney Cap, 6" w/screen . . . 17, 22
778 Chimney Guy-Wire Band Kit . . . 18
806 Black Silicone Adhesive, High Temperature . . . 14
812 Sight Gauge Tube, 9/16" OD x 3/8" ID . . . 15
846 Valve, 1/4" . . . 15
848 Motor Frame . . . 2
849 Transition . . . 2
851 Fan Blades . . . 2
880 Elbow, 1/4" . . . 15
956 Elbow, 90-degree, 3/4" x 3/4" FPT . . . 3
1097 Universal Heat Exchanger Mounting Kit . . . 8
1247 Well, 1/2" NPT fitting . . . 11
1248 Well, SS, 1/2" NPT fitting . . . 11
1266 Linkage, All Linkage Models . . . 15
1267 Line Voltage Thermostat . . . 11
1270 Linkage, Wire Loop Models . . . 15
1272 Pump Flange Kit, 1-1/4" . . . 5
1280 Fan Motor . . . 2
1302 Central PEX 1" Pipe, 10' straight section, 5 per bag . . . 6
1303 Central PEX 1" Pipe, 10' straight section, 20 per bag . . . 6
1310 Water Softener Cartridge . . . 14
1311 Central PEX 1" Pipe, 100' . . . 6
1312 Central PEX 1" Pipe, 200' . . . 6
1313 Central PEX 1" Pipe, 300' . . . 6
1314 Central PEX 1" Pipe, 500' . . . 6
1320 Central PEX 1/2" Pipe, 300' . . . 6
1321 Central PEX 1/2" Pipe, 500' . . . 6
1322 Central PEX 1/2" Pipe, 1000' . . . 6
1323 Decoiler . . . 14
1324 PEX Adapter, 1" PEX x 1" MIP fittings . . . 6
1325 Solder . . . 9
1329 Manifold w/Valves, 3-Loop . . . 7
1330 PEX Adapter, 1" PEX x 3/4" MIP fittings . . . 6
1331 PEX Adapter, 1" PEX x 1" sweat fittings . . . 6
1332 PEX Tee, 1" . . . 6
1333 PEX Coupling, 1" . . . 6, 7
1334 PEX 90˚ Elbow, 1" . . . 6
1335 PEX Crimp Ring, 1" . . . 6
1336 PEX Adapter, 1/2" PEX x 3/4" MIP fittings . . . 6
1337 PEX Adapter, 1/2" PEX x 1/2" sweat fittings . . . 6
1338 PEX Tee, 1/2" . . . 6
1339 PEX Coupling, 1/2" . . . 6
1340 PEX 90˚ Elbow, 1/2" . . . 6
1341 PEX Adapter, 1/2" PEX x 1/2" MIP fittings . . . 6
1342 PEX Crimp Ring, 1/2" . . . 6
1348 PEX Adapter, 1/2" PEX x 1/2" FIP fittings . . . 6
1349 Manifold w/Valves, 2-Loop . . . 7
1350 Temperature Gauge Fitting, 1" Push-fit x 1/8" NPT . . . 13
1365 Mounting Bracket for 3/4" NPT Thermostatic Valve . . . 10
1366 Universal Pump Wall Mount Kit . . . 5
1370 Mounting Bracket for 1-1/4" NPT Thermostatic Valve . . . 10
1544 3/4" NPT Thermostatic Valve . . . 10
1548 3/4" NPT Thermostatic Valve Fittings Kit . . . 10
1621 1-1/4" NPT Thermostatic Valve . . . 10
1624 1-1/4" NPT Thermostatic Valve Fittings Kit . . . 10
1650 Corrosion Inhibitor Plus . . . 14
1694 Y-Strainer, 1-1/4" Black . . . 10
1695 Y-Strainer, 3/4" Brass . . . 10
1745 Central Boiler Clamp, 1-1/4" . . . 6
1880 Manifold w/o Valves, 2-Loop . . . 7
1885 Manifold w/o Valves, 3-Loop . . . 7
1910 Fan Convector, Corner, 7k Btu . . . 3
1930 2-Stage Gas Regulator Kit . . . 16, 20
1941 Fan Convector, Wall Mount, 7k Btu . . . 3
1970 Ash Shovel . . . 16
1971 Fan Convector, 26k Btu . . . 3
2053 Fittings Kit . . . 8
2441 ThermoPEX, 1", 100' Roll . . . 7
2443 ThermoPEX Cap, 1" . . . 7
2447 ThermoPEX Coupling Kit, 1" . . . 7
2491 ThermoPEX, 1", 800' Roll . . . 7
2492 ThermoPEX, 1-1/4", 300' Roll . . . 7
2494 ThermoPEX Cap, 1-1/4" . . . 7
2495 ThermoPEX Coupling Kit, 1-1/4" . . . 7
2657 Digital Pocket Multimeter . . . 20
2799 ThermoPEX, 1-1/4", 100' Roll . . . 7
3042 Brass Hex Bushing, 1/2" x 1/8" . . . 9
3822 Kit for 301 - back water access . . . 3
3825 Kit for 303 - back water access . . . 3
3850 Tee, Brass, 3/4" NPT . . . 9
3851 Brass Hex Bushing, 1-1/4" x 3/4" . . . 9

NUMERICAL PARTS LIST

4045 24V Transformer 19
4082 Chimney Rain Cap 17, 21
4177 Power Cord (see note above) 19
4184 Solenoid, 1-3/8" center-to-center bracket hole 15
4220 Propane Shut-off with Level Indicator 20
4337 Transition Box Service Kit 19
4472 Ratchet Cinch Tool 6
4500 Fuse, 5-A 14
4518 Chimney Band Clamp Kit, 8" 17
4519 Chimney Base Brace Kit, 8" 17
4536 Hopper Extension Kit - Green 19
4537 Hopper Extension Kit - Terra Brown 19
4554 Chimney Support Brace Kit 18
4928 Brass Adapter, 3/4" female hose x 3/4" male pipe . . . 10
4929 Brass Adapter, 3/4" male hose x 3/4" male pipe 10
4976 Copper Tee, 1" x 1" x 1/2" 9
5032 Clip 15
5052 Indoor Water Temperature Indicator Kit 14
5348 Cap, Brass, 3/4" 9
5349 Washer, 3/4" 9
5367 Brass Coupling, 3/4" thread 10
5549 Draft Inducer, CL 7260 High-Output 15
5567 Gas Hose w/Regulator 20
5575 Door Lock Kit, for steel-door CL 7260 and Pallet Burner 15
5634 Plate Exchanger, 10 x 20-40, 1-1/2" Port 7
5635 Plate Exchanger, 10 x 20-50, 2" Port 7
5636 Plate Exchanger, 5 x 12-50, 1-1/4" Port 7
5637 Plate Exchanger, 5 x 12-70, 1-1/4" Port 7
5640 Fittings Kit, threaded ports 8
5642 Brass Clamp Fittings, 1" 6
5643 Brass Clamp Fittings, 1-1/4" 6
5670 PEX 1-1/4" Pipe, 150' 10
5734 Plate Exchanger, 5 x 12-6, 3/4" Port 7
5738 Plate Exchanger, MPN 5 x 12-10, 1" Port 7
5744 Plate Exchanger, 5 x 12-30, 1" Port 7
5807 Plate Mounting Bracket 7
5842 Plate Exchanger, MPN 5 x 12-24, 1-1/4" Port 7
5871 Brass Swing Check Valve, 1-1/4" 10
5907 Brass Pipe Union, 3/4" 9
5908 Brass Pipe Union, 1" 9
5909 Brass Pipe Union, 1-1/4" 9
5918 Fin Comb 14
5925 Cinch Tool 6
5926 PEX Stainless Steel Clamp Crimp Ring, 1" 6
5927 PEX Stainless Steel Clamp Crimp Ring, 1/2" 6
5978 Central Boiler Clamp, 1" 6
6054 Temp. Gauge, 1/8" MPT 14
6146 Dust Cap 15
6172 Elbow, 8", 45-degree 17
6173 Chimney Section, 8" x 24" for Tower Installation 17
6287 Insulation, Door - M175 19
6557 Pipe Plug, Brass 1/2" 9
6576 Draft Inducer, CL 7260 Dual Fuel (w/fuses) 15
6593 Grounding Rod Kit 14
6679 Female Adapter, 1/2" barb x 1/2" sweat fittings 6
6724 Chimney Extension, 4' 17
6726 Chimney Rain Cap, 8" 17
6757 Chimney Conversion Adapter, 8" 17
6764 Brass Offset Tee, 4" 9
6773 Myson Whispa II Kickspace 9000 Fan Convector 4
6776 Myson Lo-Line RC 6-4 Fan Convector 4
6777 Myson Hi-Line HL 7-4 Fan Convector 4
6778 Myson Slim-Line RC Fan Convector 4
6779 Myson CSU 15M Fan Convector 4
6782 Diverter Tee, 1" x 1" x 1/2" 9
6797 Chimney Extension, 4' 17, 21
6839 Myson Whispa III Fan Convector 4
6869 Spring-Assisted Linkage, All Linkage Models 15
8364 Backflow Preventer, 3/4" 10
8402 Chimney Support Brace Kit 18
8563 Draft Inducer Fan (only) 15
9263 Push-fit Fittings Water Heater Kit 13
9264 Connector, Straight, 3/4" x 3/4" MIP 13
9265 Elbow, 3/4" x 3/4" 13
9293 Gas Hose Adapter, High Pressure 20
9439 Cleaning Rod, E-Classic 16
9458 Auxiliary Auger Vibrator w/Timer Kit 19
9504 Relay 20
9535 Chimney Band Clamp Kit, 6" 17, 22
9597 Heat Exchanger Mounting Kit 8
9624 Tee, Brass, 3/4" 9
9660 48-Bushel Hopper Kit - Terra Brown and Taupe 19
9691 Hopper Vibrator Kit 19
9707 Aerator, Cast 19
9710 Aerator, Stainless Steel 19
9760 48-Bushel Hopper Kit - Green and Olive Gray 19
9804 Bag Holder Kit 19
10486 LED, Roof Panel 16
10487 LED, Door 16
10508 Chimney Extension, 4' 17
10509 Chimney Locking Band 17
10588 Natural Gas Conversion Kit, E-Classic 1400/2400 . . . 16
10598 Natural Gas Conversion Kit 16
10691 Wonder Bar 16
10774 Chimney Rain Cap, 8" 17
10835 Pulse Timer Kit 16
10844 Spacer Bar Kit 16
10895 Chimney Adapter Kit, 10" to 8", For Pallet Burner and CL 7260 models 17
10902 HeatTrac Controller Update Kit (Models with Removable Side Panel Cover) 15
10904 HeatTrac Controller Update Kit (Models with Hinged Controller Door) 15
10970 Chimney Tee Restrictor Kit 17
11157 Nipple, Schedule 80, Black, 1-1/4" x 3" 9
11384 Heat Exchanger Scraper 16
2500000 LP Gas Burner Kit, E-Classic 1450 IR Models 16
2500001 Natural Gas Conversion Kit, E-Classic IR Models . . . 16
2500002 LP Gas Burner Kit, E-Classic 1400 IR Models 16
2500003 LP Gas Burner Kit, E-Classic 2400 IR Models 16
2500004 LP Gas Burner Kit, E-Classic 3200 IR Models 16
2500007 Auxiliary Auger Kit, 5-1/2' 19
2500008 Auxiliary Auger Kit, 6' 19
2500009 Auxiliary Auger Kit, 8' 19
5000015 Nipple, Schedule 80, Black, 1-1/4" x 2-1/2" 9
5000016 90˚ Street Elbow, Black, 1-1/4" 9
5000017 45˚ Street Elbow, 1-1/4" 9

DEFINITIONS

ASTM
American Society for Testing and Materials. Publishes standard specifications for terminology, labeling, testing and production.

British Thermal Unit (Btu)
The British thermal unit is a unit of measure equal to the amount of heat necessary to raise the temperature of one pound of water one degree Fahrenheit.

Conduction
A process of heat transfer whereby heat moves through a material or between two materials that are in direct contact with each other.

Convection
The transfer of heat by movement of a liquid or a gas. Natural Convection is a result of movement caused by changes in density as temperature changes within a fluid medium such as a liquid or a gas. Forced Convection is the result of mechanical force moving a fluid or gas.

Crimp
An insert fitting for Central PEX tubing. A crimp requires a crimp ring or clamp of comparable quality.

Cross-Linking
A chemical process that changes the molecular structure of a plastic material by linking otherwise independent hydrocarbon chains. Cross-Linking creates a three-dimensional network of hydrocarbons.

□PM□LU□PHSLT □L□H□□L□ □□
The difference in temperature between two opposing masses used to describe the potential that exists for heat transfer.

FIP
Female iron pipe thread.

FPT
Female American National Taper Pipe Thread.

HDPE
Abbreviation for high-density polyethylene.

Head Pressure
The pressure available at the outlet side of a pump, or inlet side of a flow-conducting system. It is expressed in feet of head, which is the height of a column of water that can be supported by a pump against standard atmospheric pressure.

Heating Load
The amount of energy (in Btu/hr) required for space heating.

Heat Loss
The transfer of heat from a contained space to the atmosphere surrounding it. Heat loss is the result of thermal conductivity through walls, windows, roofs and other building envelope components, as well as infiltration losses due to the exchange of inside air with outside air.

Infiltration Losses
The loss of heat energy due to infiltration which is expressed in Btu/hr. Infiltration losses are calculated from the air changes per hour, differential indoor/outdoor temperature and the heat carrying capability of the lost air.

Mean Radiant Temperature
The average temperature of all the surfaces in a room.

MPT
Male American National Taper Pipe Thread.

NPT
American National Taper Pipe Thread is a standard thread used in the US.

PE
Abbreviation for polyethylene.

Perimeter Area
Describes the first four feet around the exposed perimeter of the slab.

PEX
Abbreviated for cross-linked polyethylene.

Pressure Loss
The loss of fluid pressure between any two points in a flow-conducting system, expressed in pounds per square inch (psi). The loss of pressure is caused by friction against the tubing walls and is further influenced by the tubing size, length and texture of the inside wall of the tube, fittings, valves and other components. Pressure loss is also influenced by the temperature and viscosity of the fluid.

R-Value
A measure of a material's ability to resist the flow of heat. R-Value is expressed in Btu/hr/ft^2 and calculated by the formula 1/U=R.

Radiation
The process in which energy in the form of rays of light or heat is transferred from body to body without heating the intermediate air acting as the transfer medium.

Sweat Fitting
Soldered copper pipe fitting.

Upward Load
The amount of Btu•hr required to overcome the envelope losses of the room.

Under-Slab Insulation
The amount of insulation (expressed in R-Value) under the interior area of the slab.

Thermal Conductivity (K)
A property of materials that indicates the amount of heat (in Btu) that penetrates one square foot of a uniform material one inch thick in one hour for each degree Fahrenheit difference in temperature between the surfaces. It is expressed in Btu/(hr/ft^2/°F). The thermal conductivity of PEX is 0.22 Btu/(hr/ft^2/°F).

Thermal Mass
Any material used to store heat energy or the affinity for heat energy.

U-Value
The capability of a material to transfer heat. Used to describe the conductance of a material or composite of materials in construction. U-Value is expressed in Btu/hr/ft^2 and is the inverse function of R-Value.

Velocity
The speed of fluid at a specific flow, expressed in feet per second (fps or ft/sec).

Zone
An area of a radiant panel served by one or more loops, and individually controlled (either manually or automatically).

Sample Parts List for Forced-Air Heating System

QTY.	P/N	DESCRIPTION
1		Central Boiler Outdoor Wood Furnace
1	107	Heat Exchanger Coil, 125k Btu
1	591	Side-Arm Heat Exchanger Kit
1	2053	Fittings Kit
1	171	Taco 007 Pump
1	224	Isolation Flange Kit, 3/4"
1	190	24-Volt Thermostat
1	198	Ball Valve, 3/4"
1	118	Nipple, 3/4" x close
1	296	Brass Swing Check Valve, 3/4"
6	1330	PEX Adapter, 1" PEX x 3/4" MIP
6	1333	PEX Coupling, 1"
6	1334	PEX 90˚ Elbow, 1"
30	5926	PEX Stainless Steel Clamp Crimp Ring, 1"
1	2441	100' ThermoPEX Pipe, 1"
1	1302	Central PEX 1" Pipe, five 10' straight sections
1	2443	ThermoPEX Cap, 1"
1	6593	Grounding Rod Kit
1	556	Power Supply Cord, 32"
2	1650	Corrosion Inhibitor Plus
1	297	Ashtrol, 6.25 lb
1	299	Ash Shovel
1	300	Ash Rake
1	306	Hoe

Rev. 3/11

Sample Parts List for Additional Buildings

QTY.	P/N	DESCRIPTION
1	323	Transition
1	322	Fan
1	106	Heat Exchanger Coil, 100k Btu
1	171	Taco 007 Pump
1	224	Isolation Flange Kit, 3/4"
1	160	Line Voltage Thermostat
1	198	Ball Valve, 3/4"
4	1334	PEX 90˚ Elbow, 1"
8	1330	PEX Adapter, 1" PEX x 3/4" MIP
30	5926	PEX Stainless Steel Clamp Crimp Ring, 1"
1	199	Brass Hose Bib, 3/4" MPT
1	133	Black Tee, 3/4" NPT
1	556	Power Supply Cord, 32"
1	296	Brass Swing Check Valve, 3/4"
1	118	Nipple, 3/4" x close
2	6764	Brass Offset Tee, 4"

Rev. 3/11

PARTS ORDER LIST

QTY.	P/N	DESCRIPTION